VIDEOCASSETTE RECORDER

# UVW-1800 UVW-1800P

VIDEOCASSETTE PLAYER

# UVW-1600 UVW-1600P

# **SERVICE MANUAL**

Volume 2 1st Edition (Revised 1)



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This manual used to be printed on paper but is now in electronic form. All blank pages in the printed version have been eliminated in the electronic version to facilitate printing at service stations. Hence, although some pages may appear to be missing, no service information has been omitted.

#### **Introducing this manual**

This manual is the Service Manual Vol. 2 of the video cassette recorder model UVW-1800/1800P and the video cassette player model UVW-1600/1600P. This manual contains block diagrams, board layouts, schematic diagrams, parts lists.

#### **Contains**

The sections covered in the manual are summarized below to give you a general understanding of the manual.

Section 14 BLOCK DIAGRAMS

Section 15 BOARD LAYOUTS

Section 16 SCHEMATIC DIAGRAMS

Section 17 SEMICONDUCTOR PIN ASSIGNMENTS

Section 18 SPARE PARTS AND OPTIONAL FIXTURES

#### Related manuals

In addition to this Service Manual Vol. 2, the following manuals are provided.

• Operation Manual (Supplied with equipment)

Explains how to operate this equipment.

• Installation Manual (Not supplied with equipment)

Contains rack mount information necessary for installation of the equipment, the connector information necessary for connecting the unit with peripherals and others.

• Service Manual Vol. 1 (Not supplied with equipment)

Contains the maintenance information and servicing information necessary for parts replacement and adjustment.

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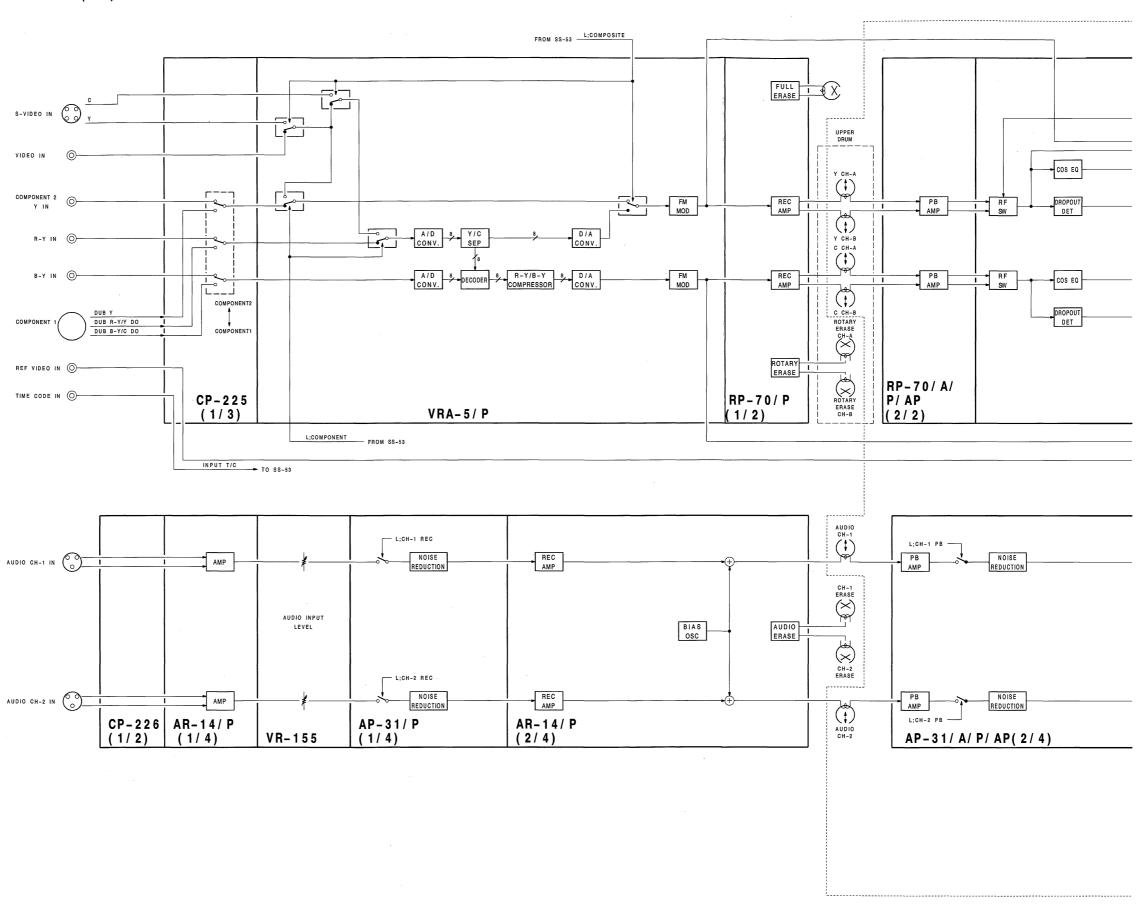
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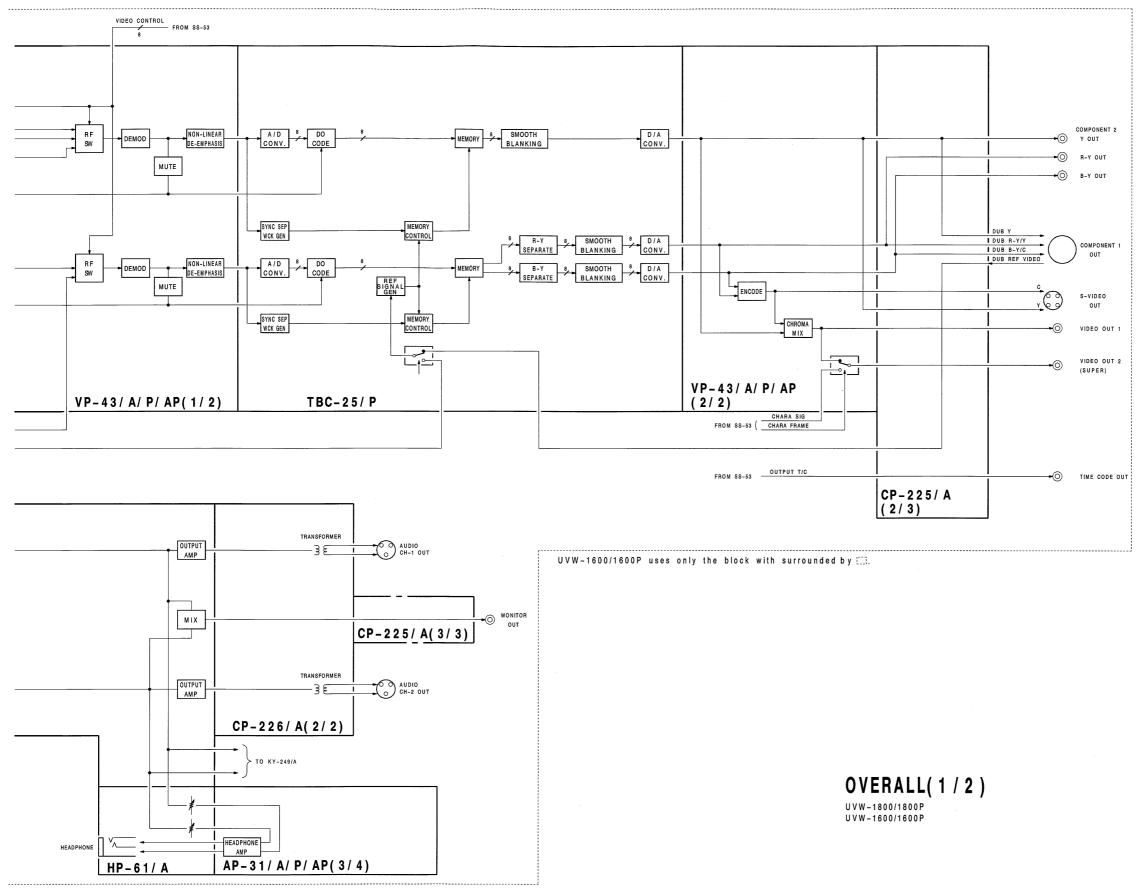
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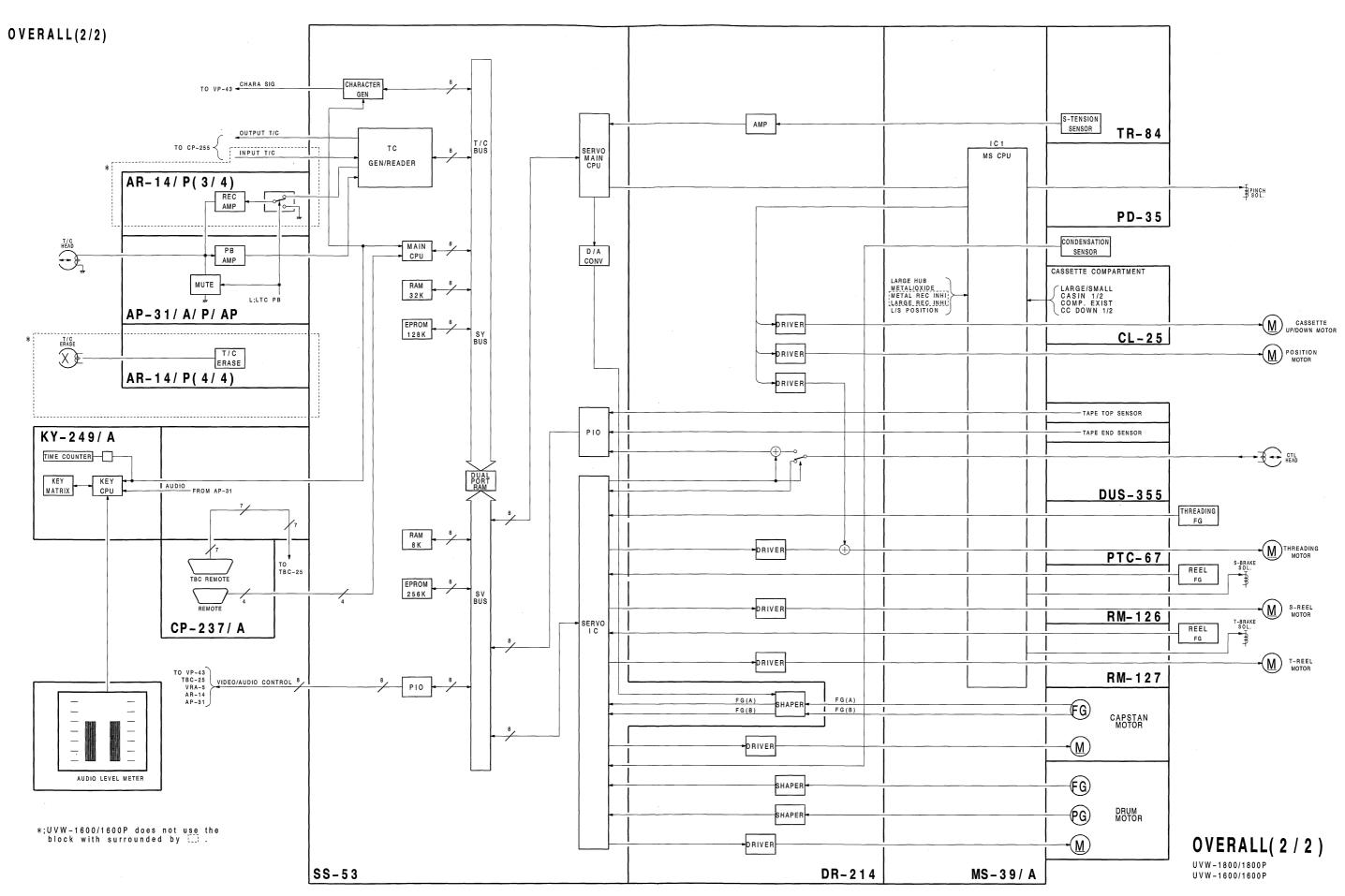
# SECTION 14 BLOCK DIAGRAMS

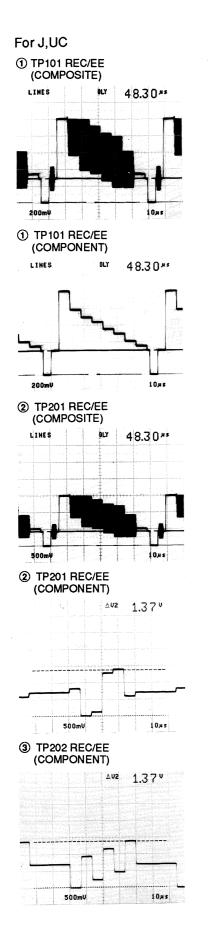
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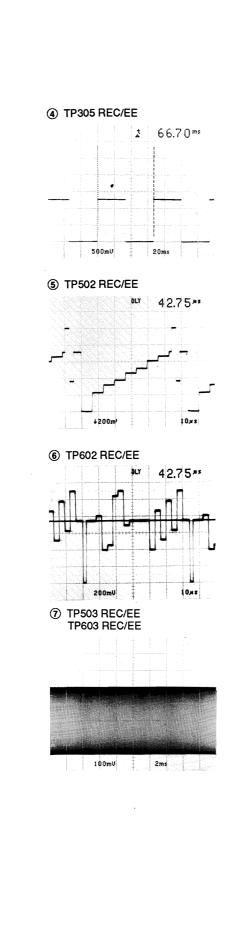


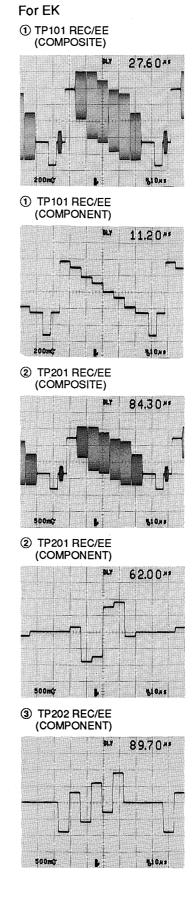


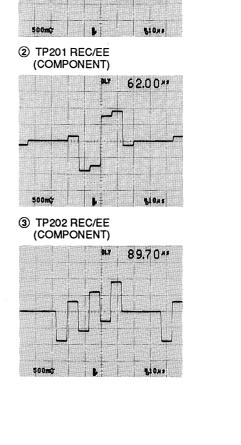
UVW-1800/1600 UVW-1800P/1600P

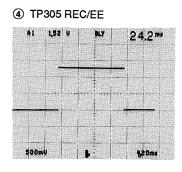


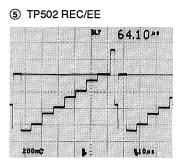


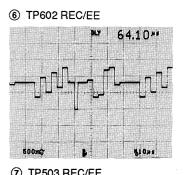


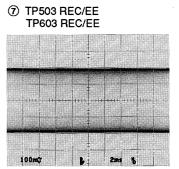




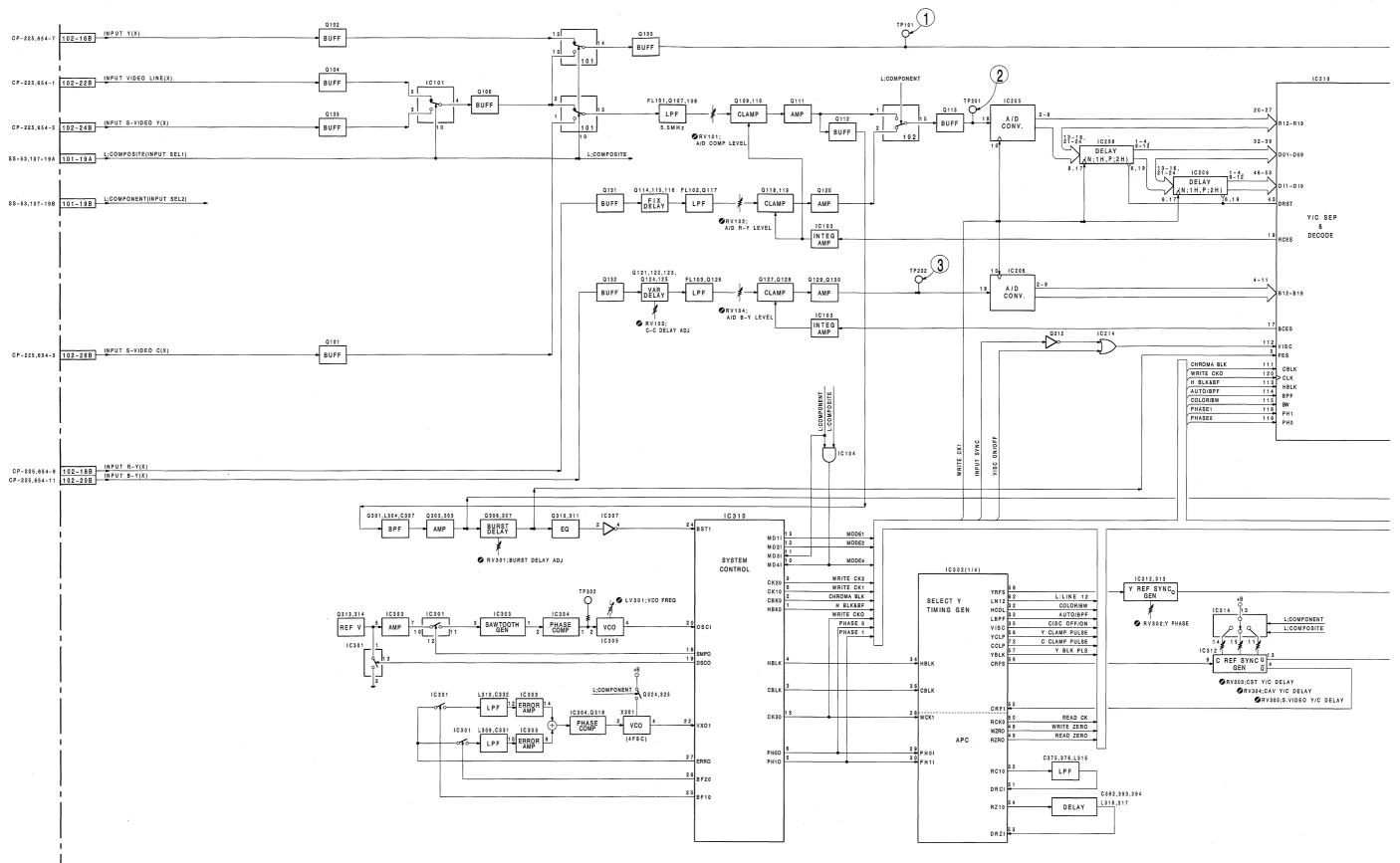


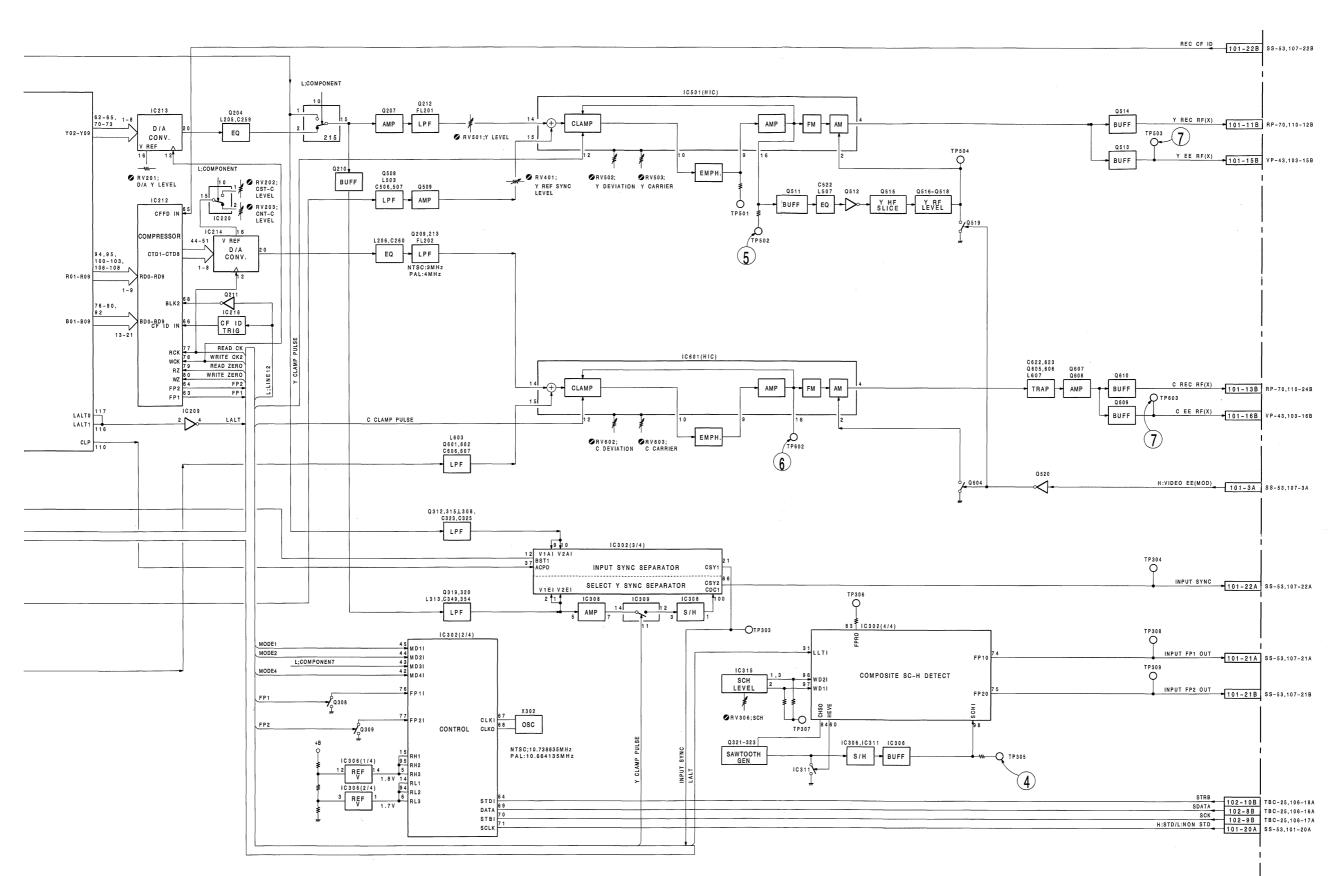




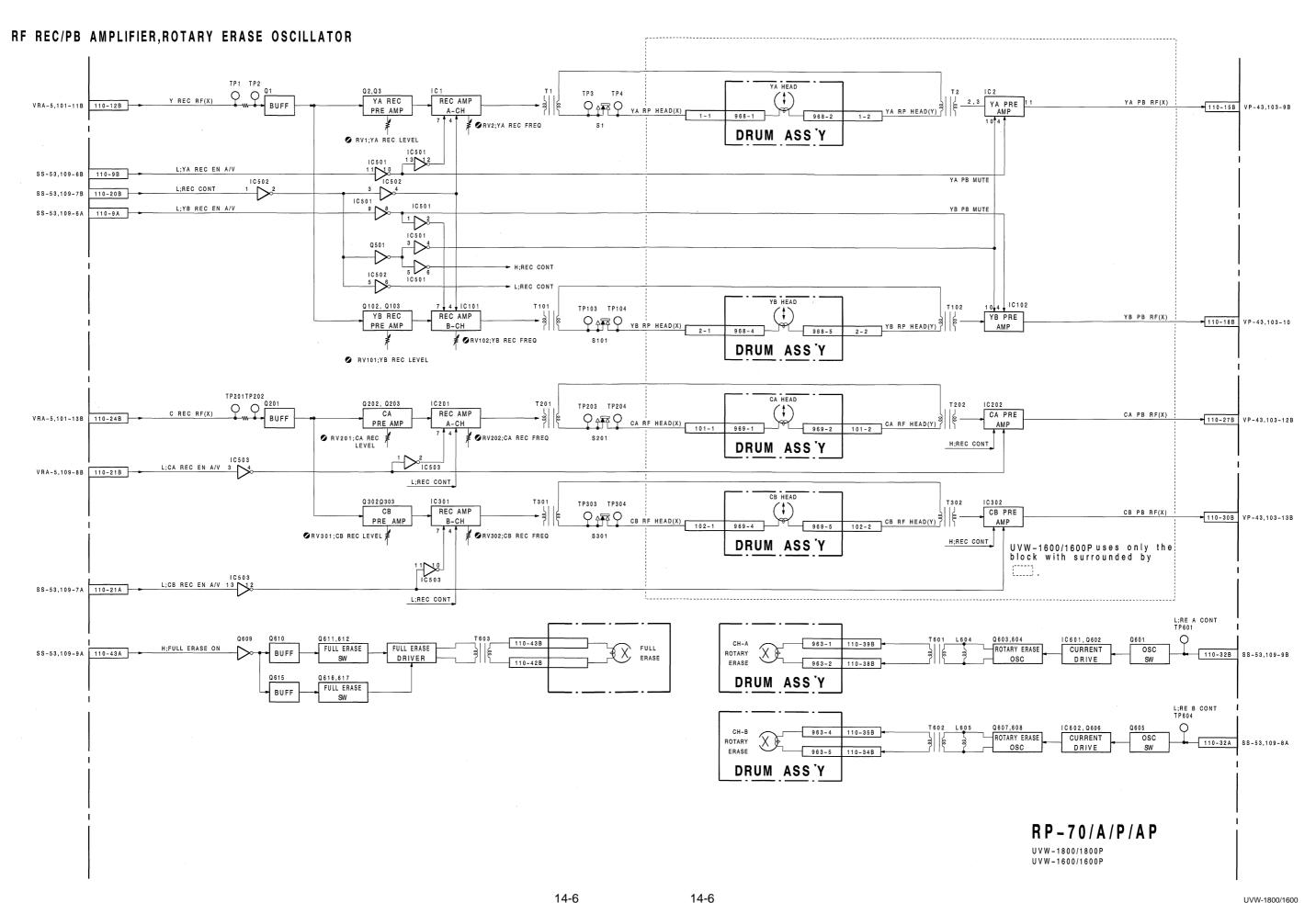


# Y/C REC PROCESS(DECODE, MOD.), CTDM





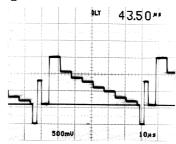
VRA-5/P



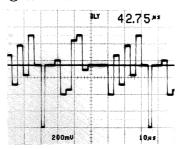
# DEMOD., PB RF EQ

# For J,UC

# ① TP201 PB

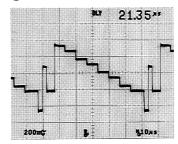


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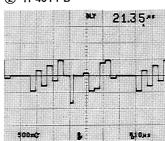


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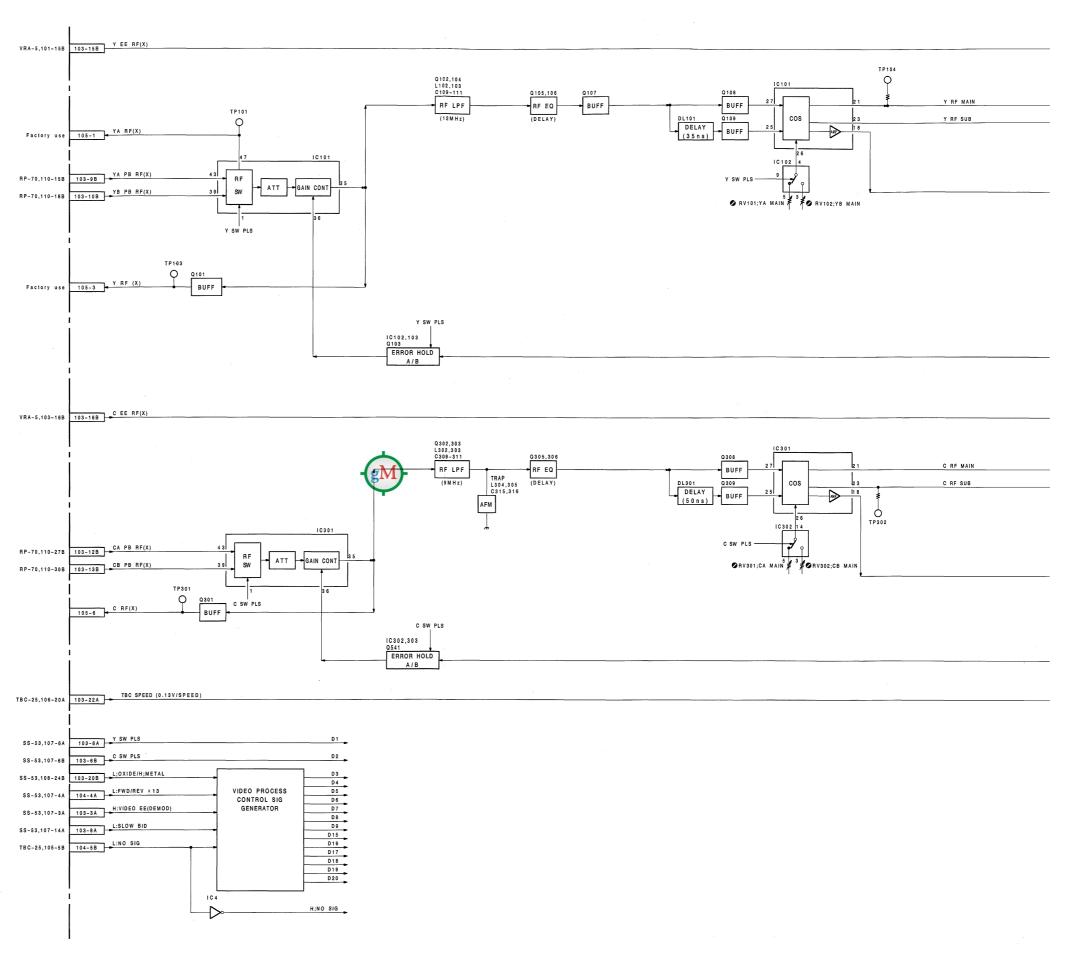
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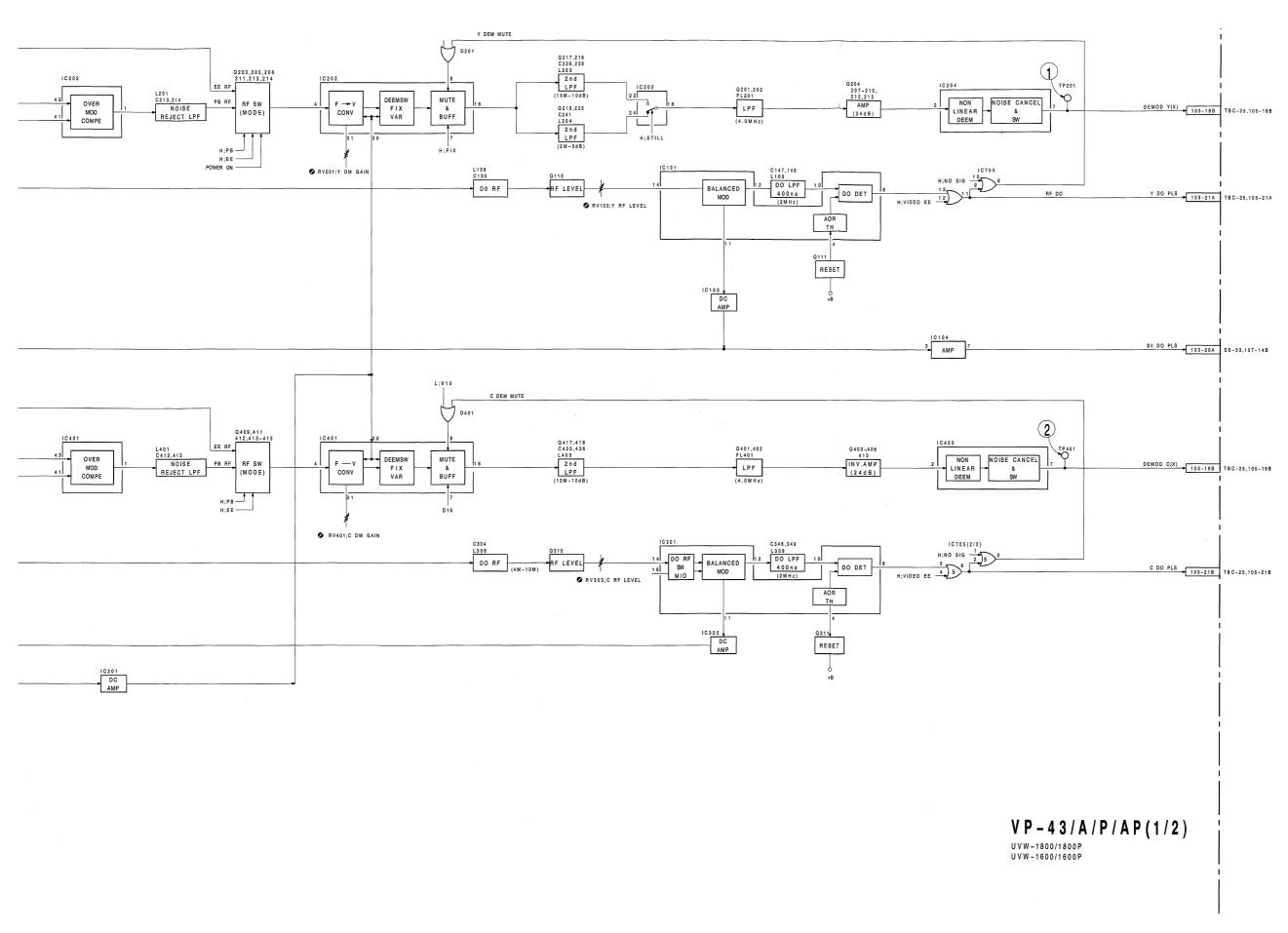


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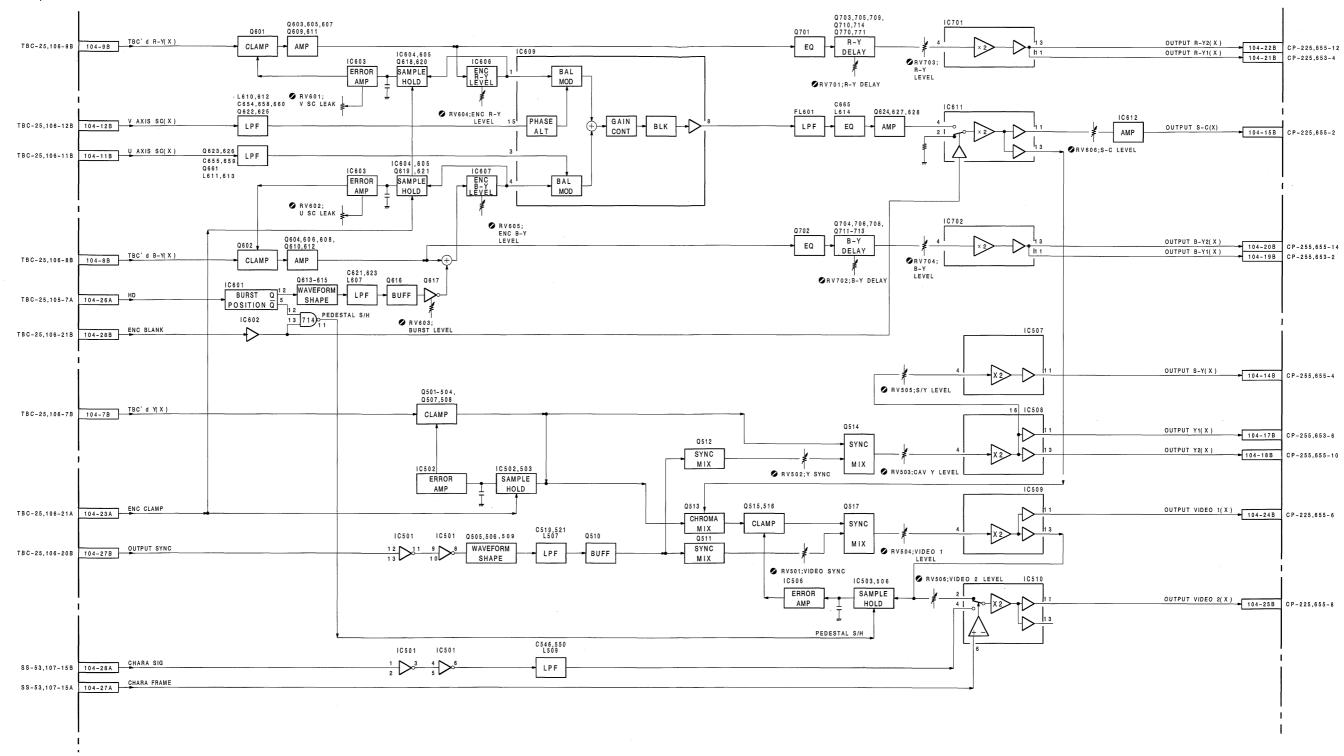








# **ENCODE, OUTPUT DRIVER**

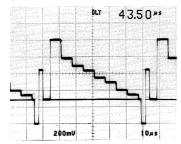


VP-43/A/P/AP(2/2)

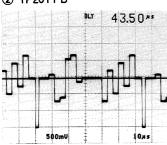
UVW-1800/1800P UVW-1600/1600P

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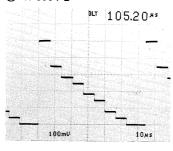
#### ① TP101 PB



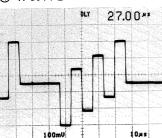
# ② TP201 PB



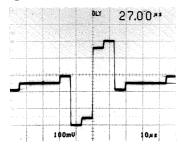
#### ③ TP500 PB



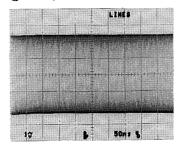
#### ④ TP501 PB



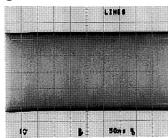
#### ⑤ TP502 PB



#### ⑥ TP303 PB

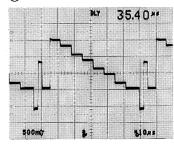


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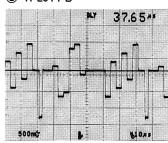


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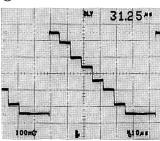
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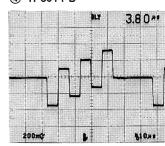
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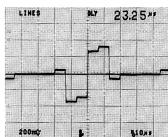
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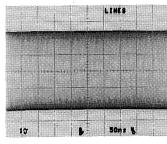
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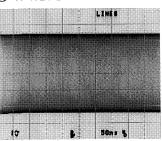
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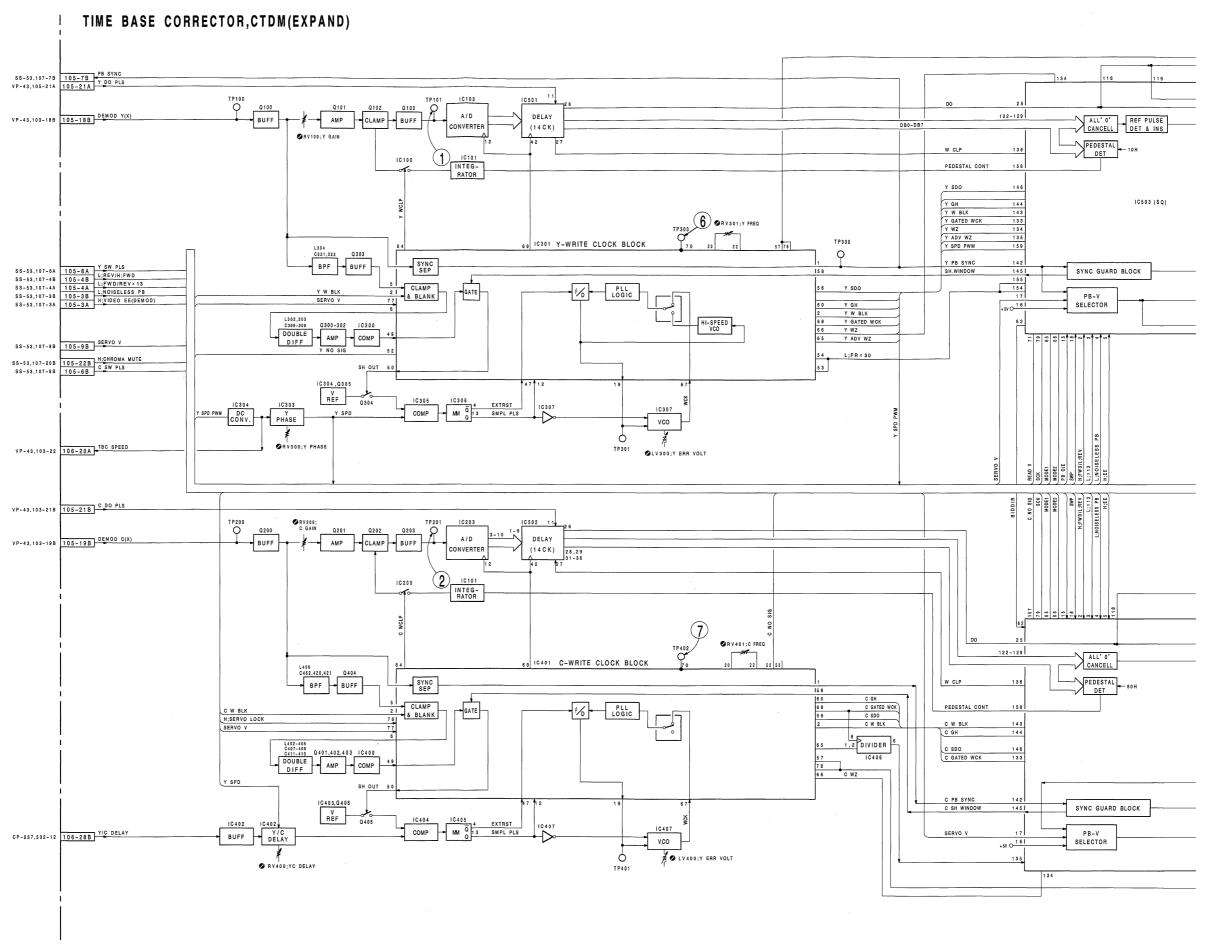


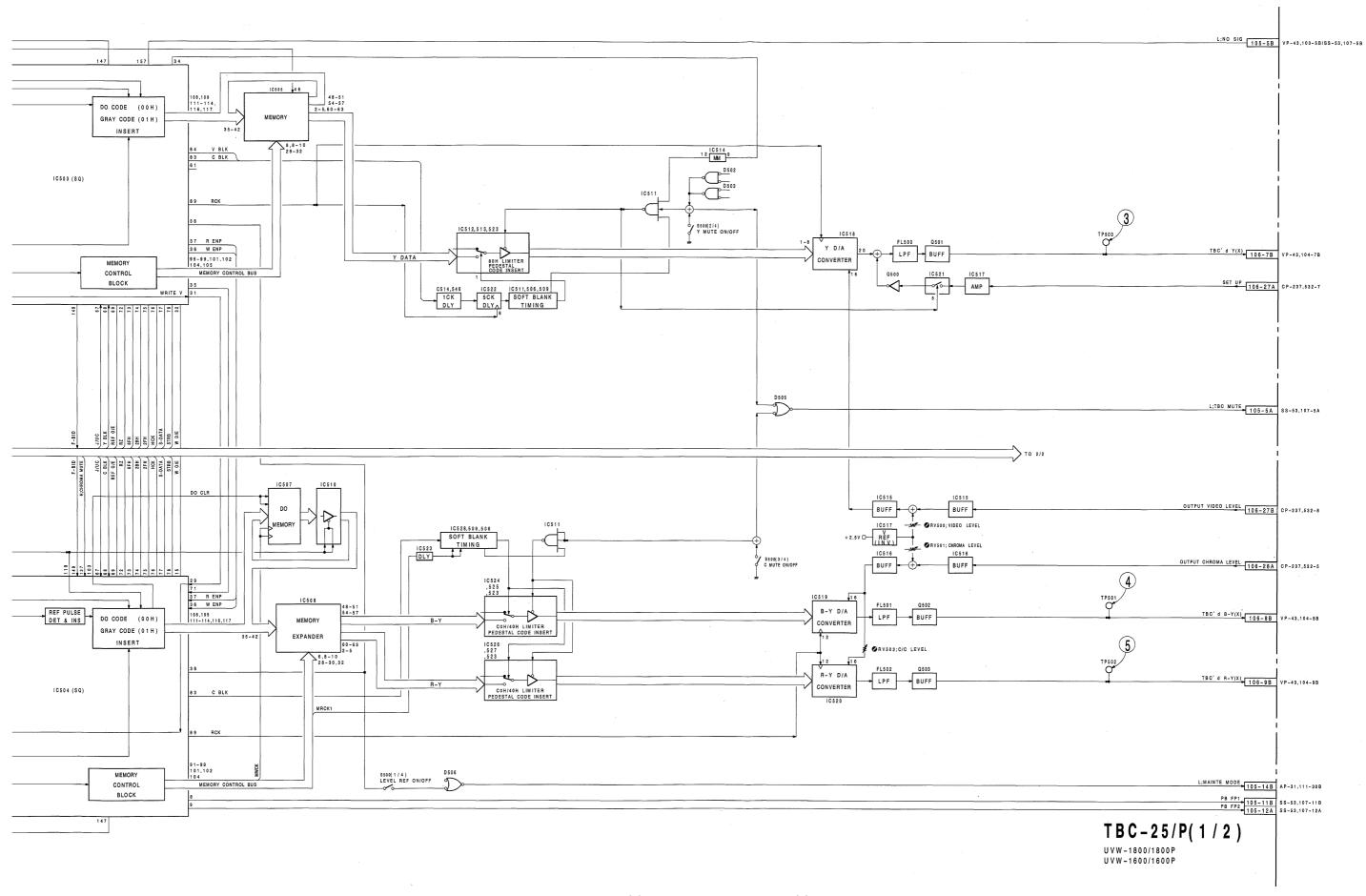
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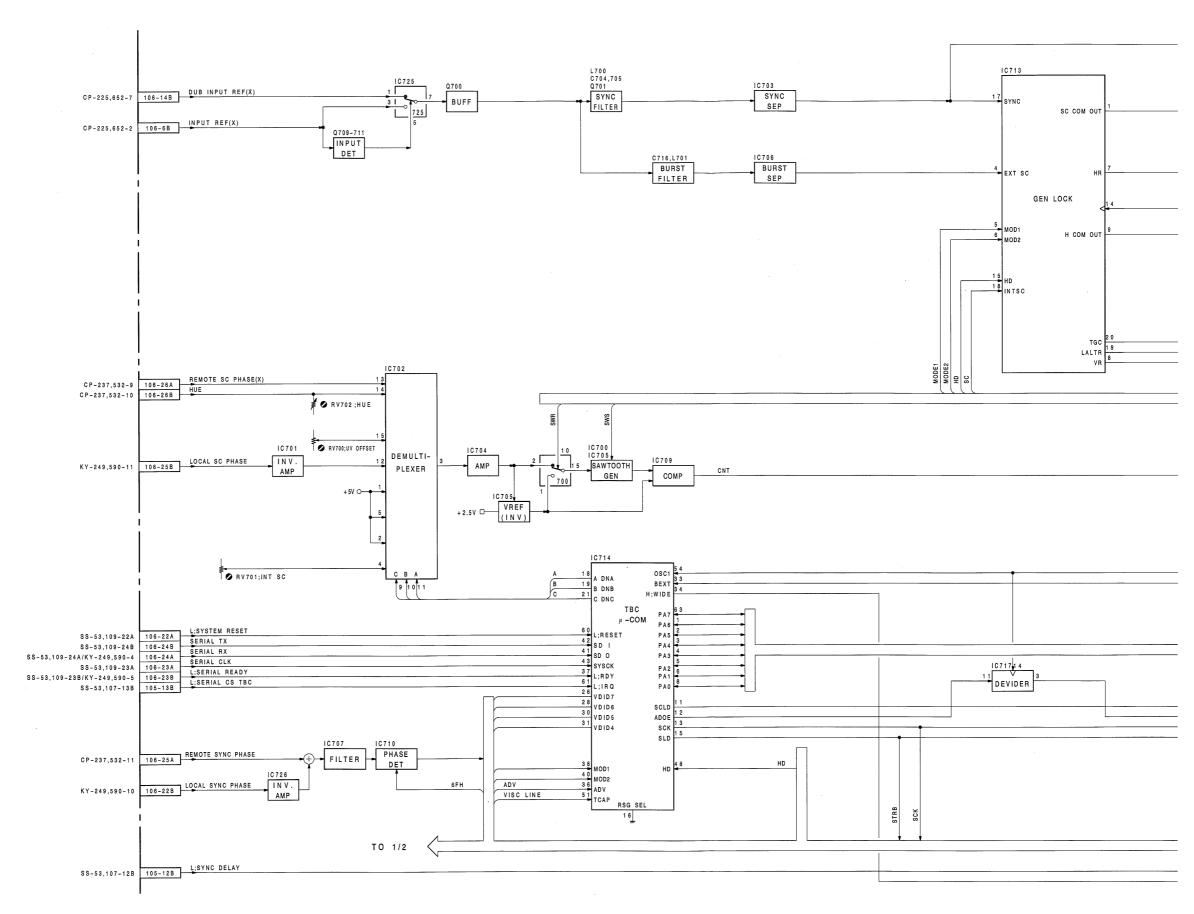
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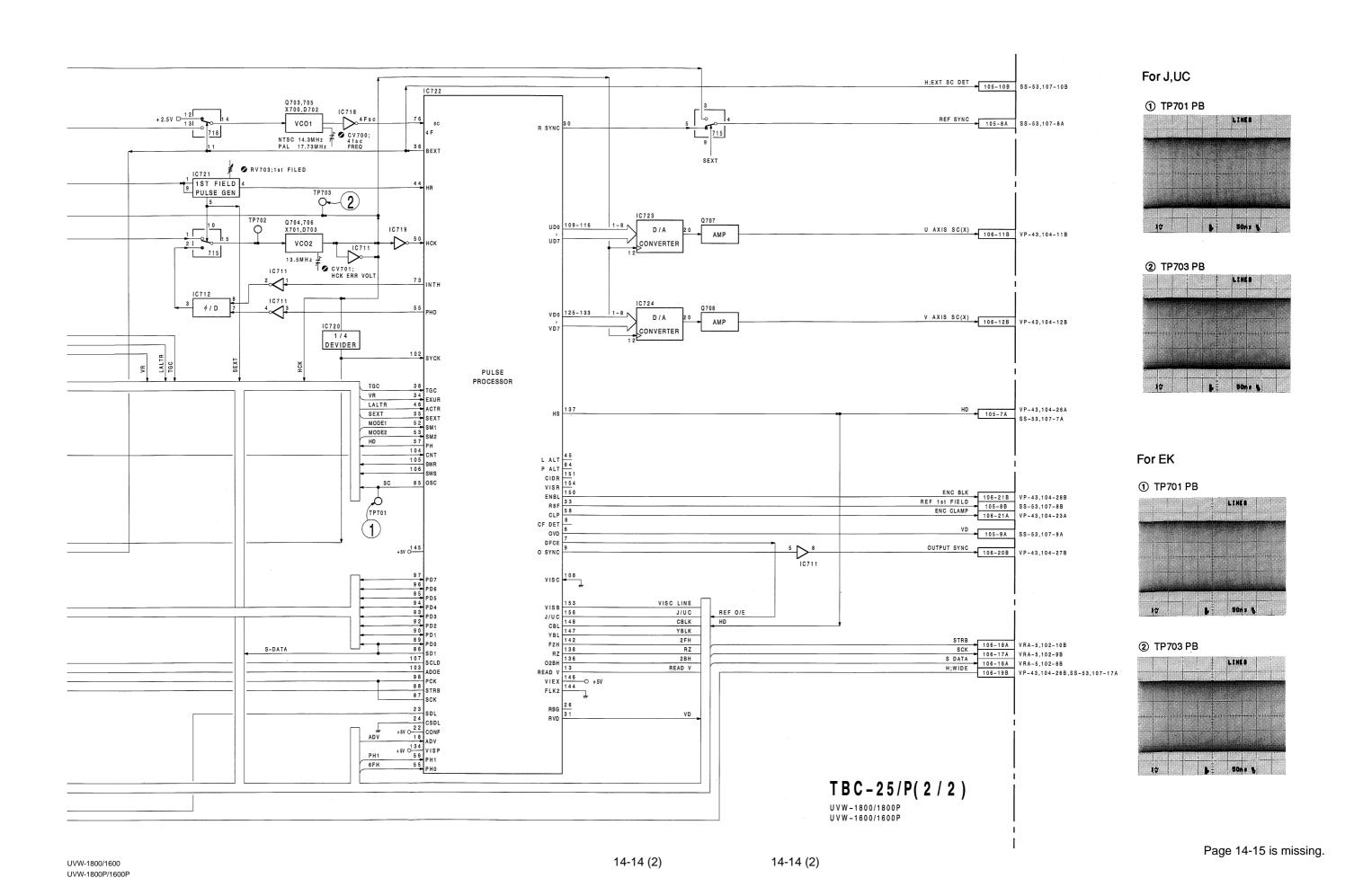


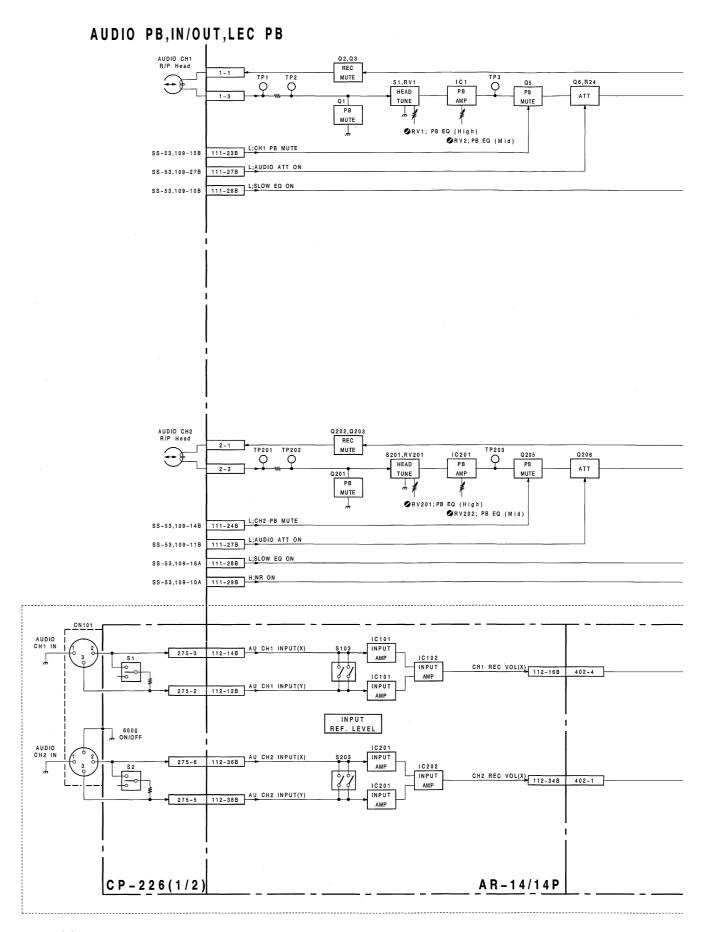


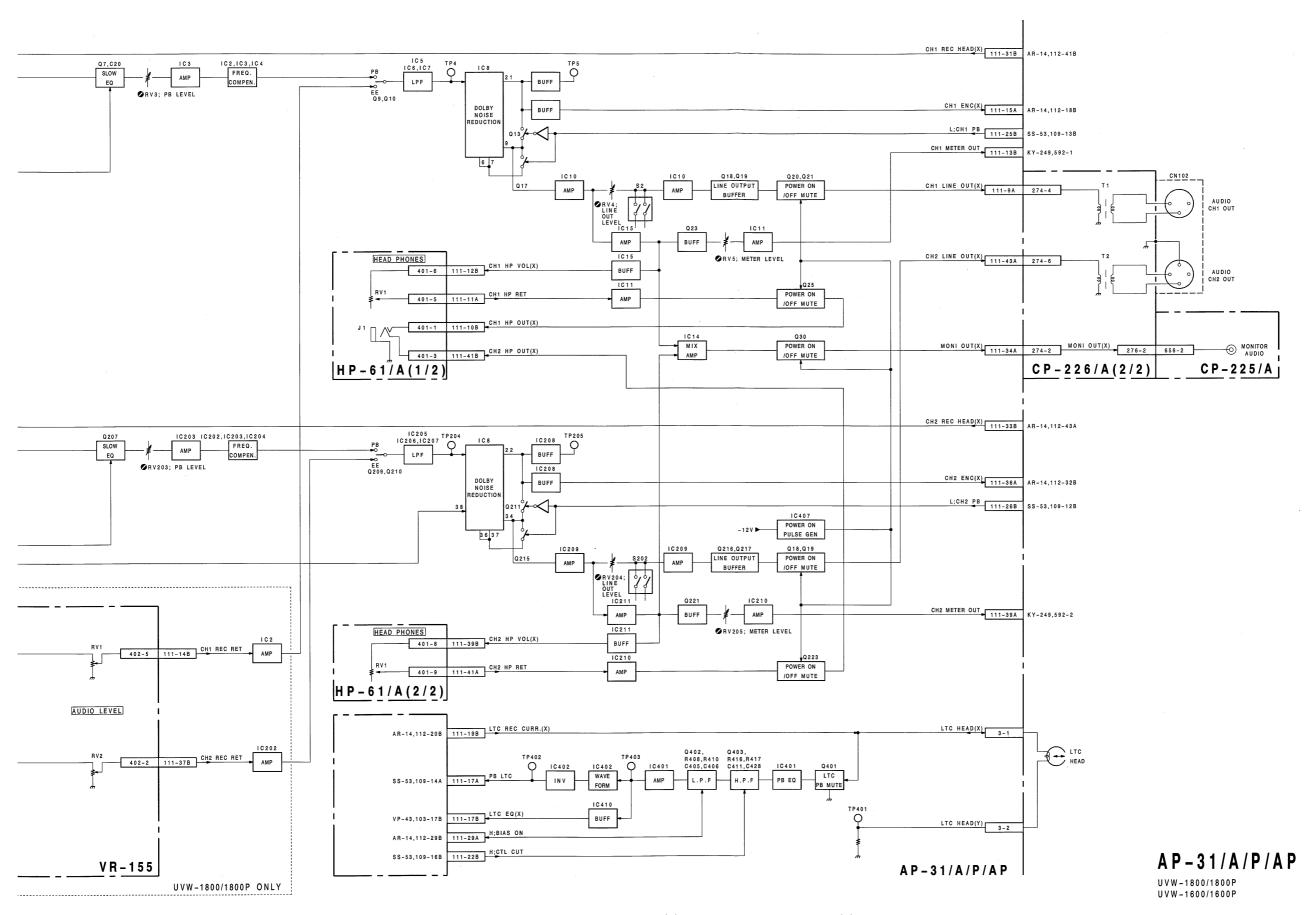


# TIME BASE CORRECTOR

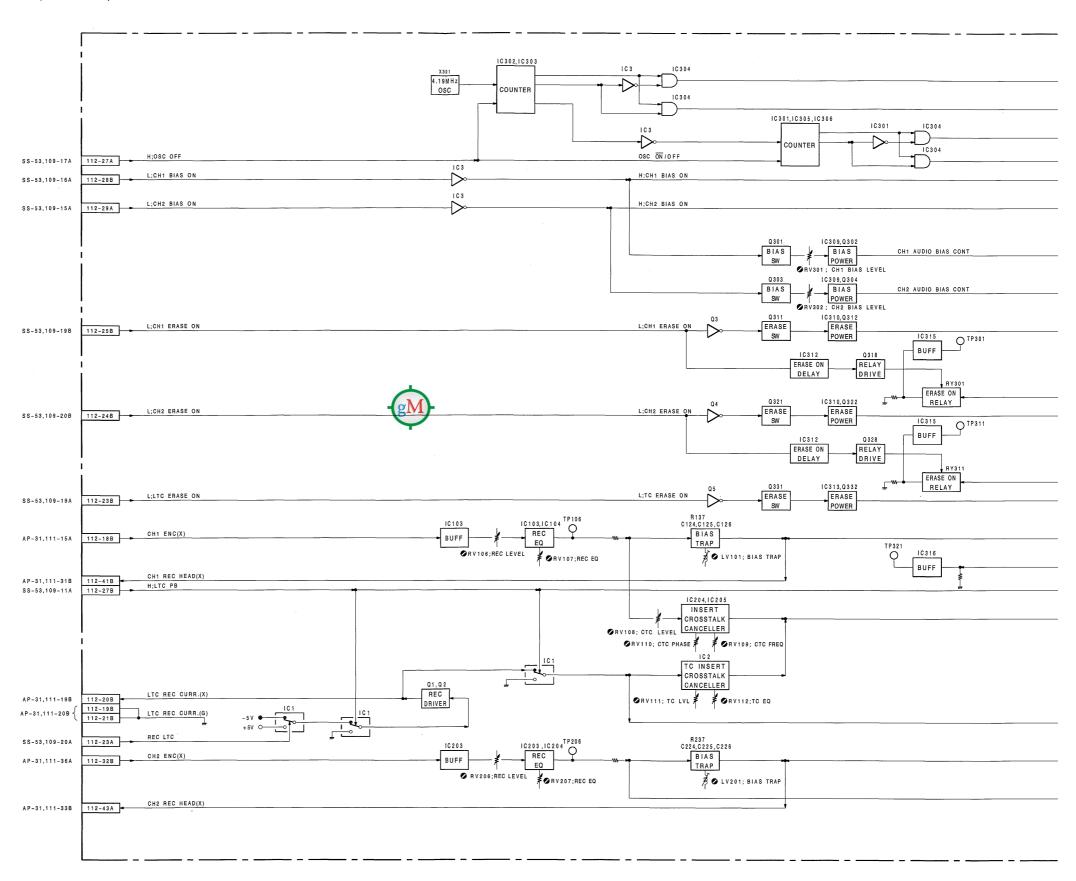


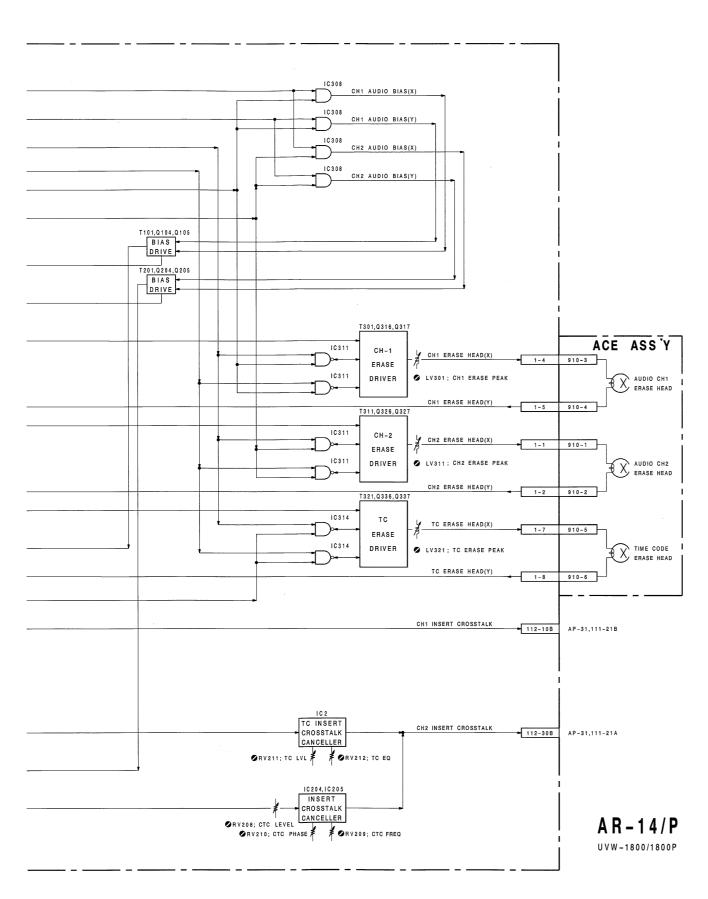


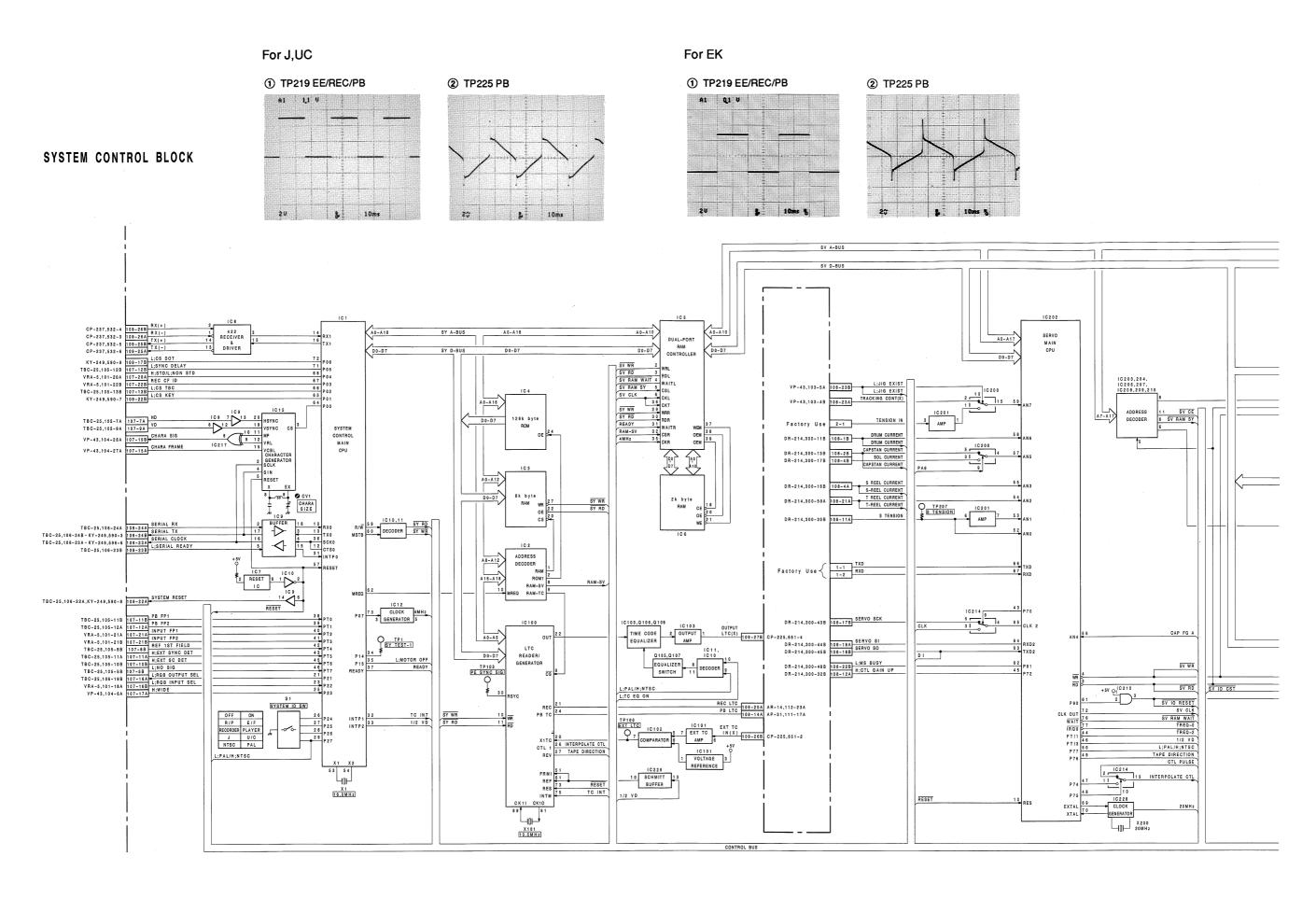


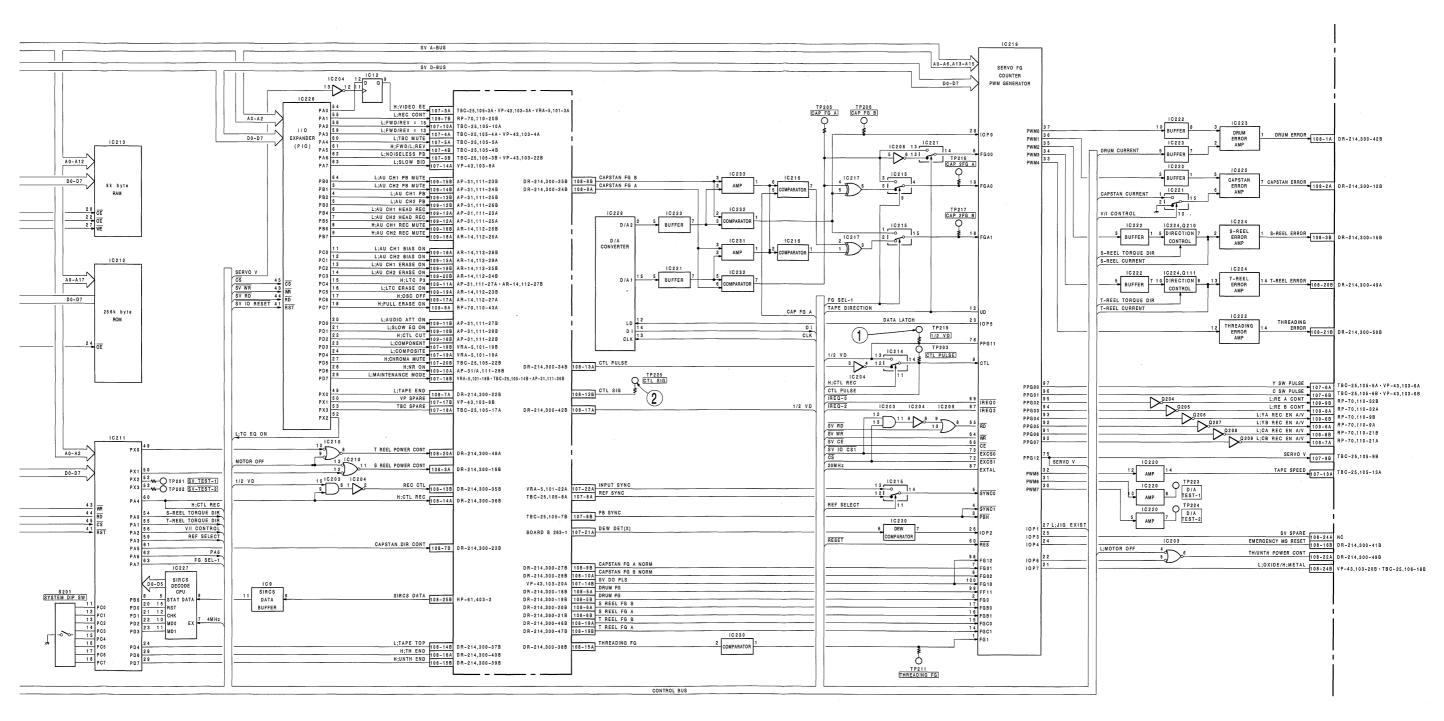


# AUDIO ERASE/BIAS OSC, MODE CONTROL, LTC REC, CROSSTALK CANCEL



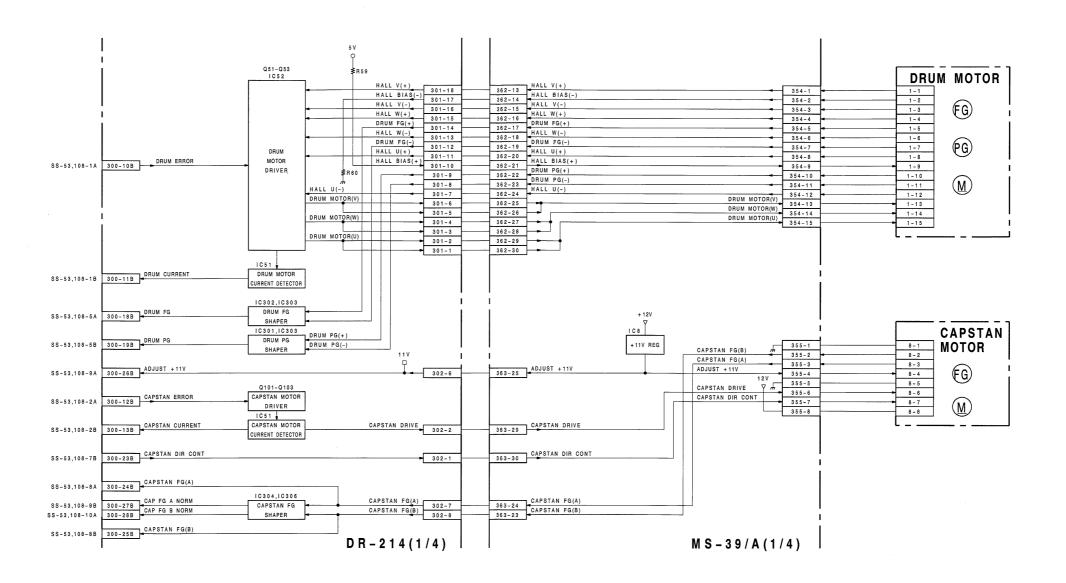




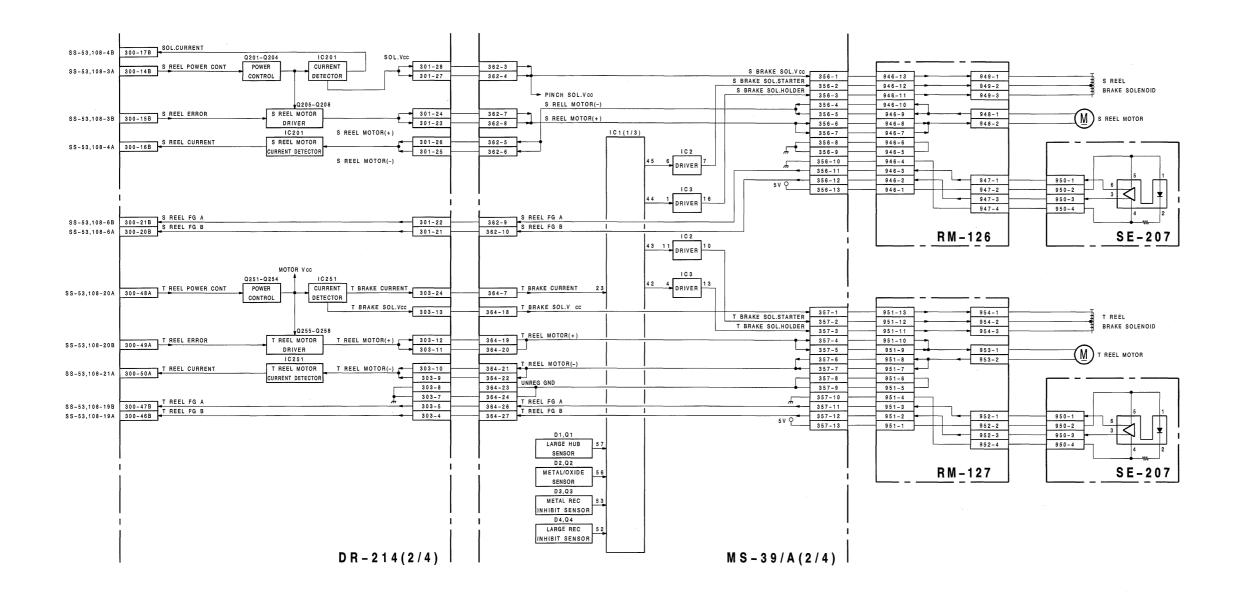


SS-53

UVW-1600/1600P

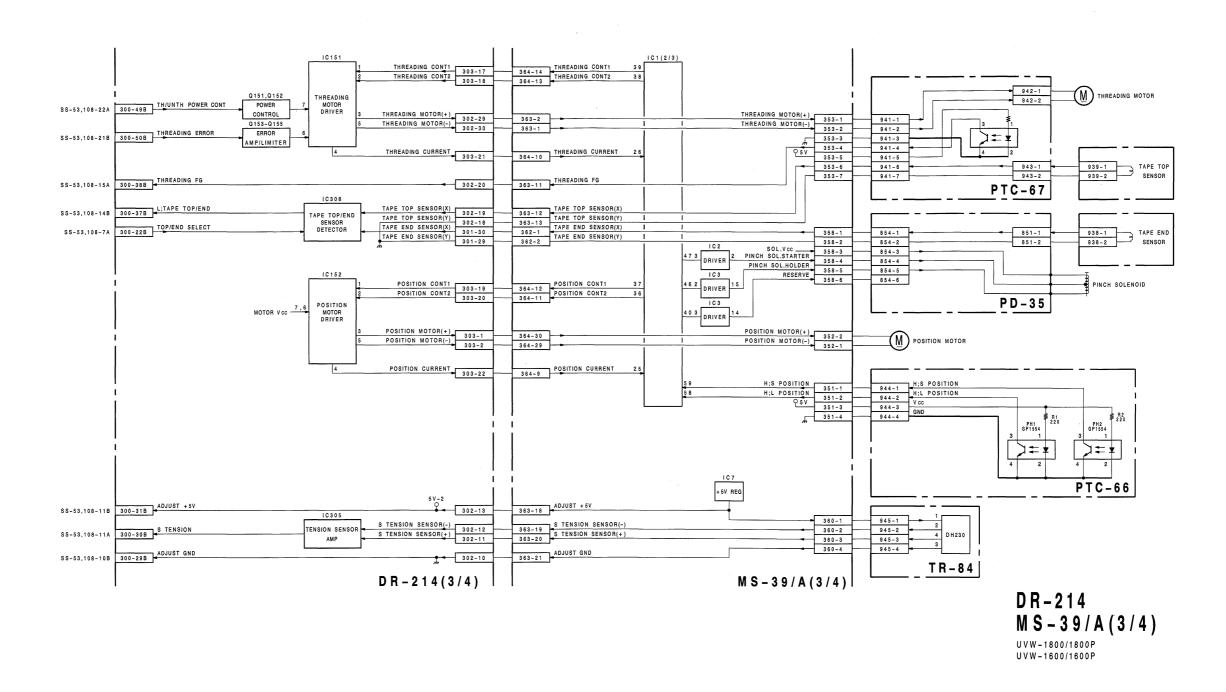


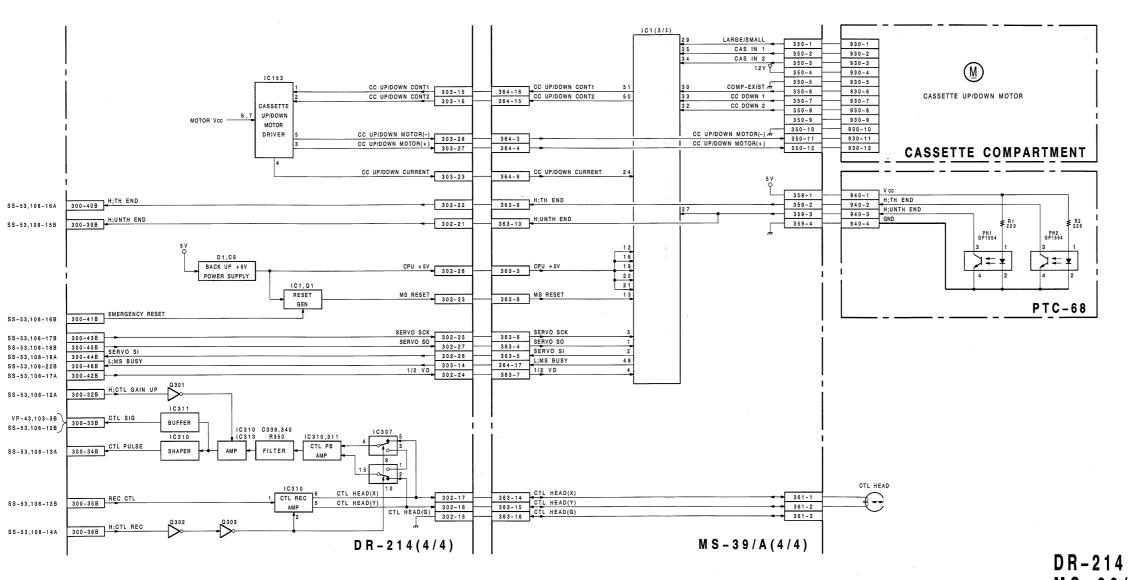
DR-214 MS-39/A(1/4) UVW-1800/1800P UVW-1600/1600P



DR-214 MS-39/A(2/4)

UVW-1800/1800P UVW-1600/1600P

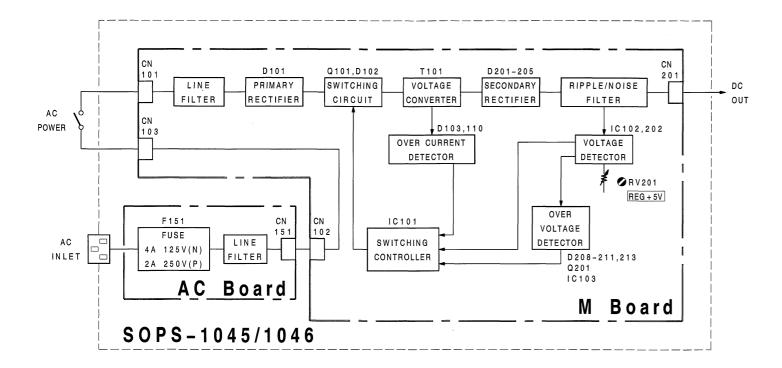




DR-214 MS-39/A(4/4)

UVW-1800/1800P UVW-1600/1600P

# POWER SUPPLY



SOPS-1045(1800/1600) SOPS-1046(1800P/1600P)

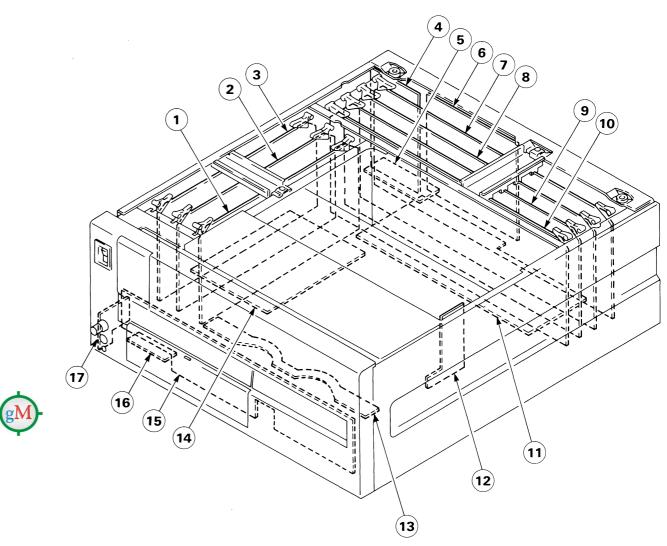
UVW-1800/1800P UVW-1600/1600P

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### **CIRCUIT FUNCTION**



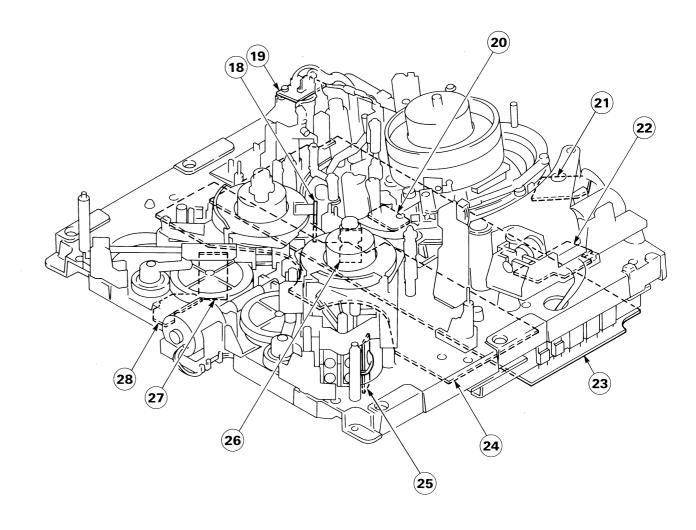
① RP-70/P BOARD(UVW-1800/P) ; RF REC/PB AMP.,ROTARY ERASE OSC.,FULL ERASE OSC. RP-70A/AP BOARD(UVW-1600/P) ; RF PB AMP.

② AP-31/P BOARD(UVW-1800/P) ; AUDIO/TC PB AMP.,METER DRIVER AP-31A/AP BOARD(UVW-1600/P) ; AUDIO/TC PB AMP.,METER DRIVER

3 AR-14/P BOARD(UVW-1800/P)
 4 CP-226 BOARD(UVW-1800/P: FOR UC, EK)
 5 AUDIO/TC REC AMP.,AUDIO/TC ERASE OSC.,AUDIO BIAS DRIVER
 6 CP-226J BOARD(UVW-1800: FOR J)
 7 AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER
 8 AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER
 9 AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER

CP-226A BOARD(UVW-1600/P: FOR UC, EK); AUDIO OUTPUT CONNECTOR, OUTPUT TRANSFORMER CP-226AJ BOARD(UVW-1600: FOR J); AUDIO OUTPUT CONNECTOR, OUTPUT TRANSFORMER

(5) CP-237 BOARD(UVW-1800/P) ; TBC/9P REMOTE CONNECTOR
 (6) CP-225 BOARD(UVW-1800/P) ; VIDEO INPUT/OUTPUT CONNECTOR
 (7) CP-225 BOARD(UVW-1800/P) ; VIDEO OUTPUT CONNECTOR
 (8) CP-225 BOARD(UVW-1800/P) ; VIDEO OUTPUT CONNECTOR



8	VP-43/P BOARD(UVW-1800/P)	; Y/C PB PROCESS(PB RF EQ,DEMOD.,Y-RF ENVELOPE DET),VIDEO
	•	OUTPUT DRIVER, ENCODE, SYNC/CHARA MIX
	VP-43A/AP BOARD(UVW-1600/P)	; Y/C PB PROCESS(PB RF EQ,DEMOD.,Y-RF ENVELOPE DET),VIDEO
	•	OUTPUT DRIVER, ENCODE, SYNC/CHARA MIX
9	TBC-25/P BOARD	; TIME BASE CORRECTOR,CTDM(EXPAND)
10	SS-53 BOARD	; SYSTEM CONTROL, SERVO SYSTEM MAIN, TIME CODE
		GENERATOR/READER, CHARACTER GENERATOR
11)	MB-470/P BOARD(UVW-1800/P)	; MOTHER BOARD
	MB-470A/AP BOARD(UVW-1600/P)	; MOTHER BOARD
12	CL-25 BOARD (CASSETTE COMPARTMENT)	; CASSETTE LOADING BEGIN/NEAR-END SENSOR
13	PC-62 BOARD (CASSETTE COMPARTMENT)	; CASSETTE IN/LARGE CASSETTE SENSOR
14)	MB-471 BOARD(UVW-1800/P)	; MOTHER BOARD
	MB-471 A BOARD(UVW-1600/P)	; MOTHER BOARD
15	KY-249 BOARD(UVW-1800/P)	; FUNCTION KEY
	KY-249A BOARD(UVW-1600/P)	; FUNCTION KEY
16)	VR-155 BOARD (UVW-1800/P)	; AUDIO REC LEVEL
$\bigcirc$	HP-61 BOARD(UVW-1800/P)	; HEADPHONES JACK/VOLUME CONTROL
	HP-61 A BOARD(UVW-1600/P)	; HEADPHONES JACK/VOLUME CONTROL

® SE-207 BOARD(S SIDE) ; REEL FG 19 PD-35 BOARD ; PINCH SOLENOID 20 TR-84 BOARD ; S-TENSION SENSOR 2 PTC-68 BOARD ; THREAD END/UNTHREAD END SENSOR 2 PTC-67 BOARD ; THREADING FG/MOTOR 23 DR-214 BOARD ; MOTOR DRIVER, TENSION SENS. AMP., DRUM FG/PG AMP., CAPSTAN FG AMP., CTL, REC/PB AMP. 24 MS-39 BOARD(UVW-1800/P) ; CASSETTE INFORMATION, SOLENOID DRIVER, MECHA. CONTROL MPU, DATA STORAGE MS-39A BOARD(UVW-1600/P); CASSETTE INFORMATION, SOLENOID DRIVER, MECHA. CONTROL MPU, DATA STORAGE 25 RM-127 BOARD ; T-REEL MOTOR SE-207 BOARD(T SIDE) ; REEL FG

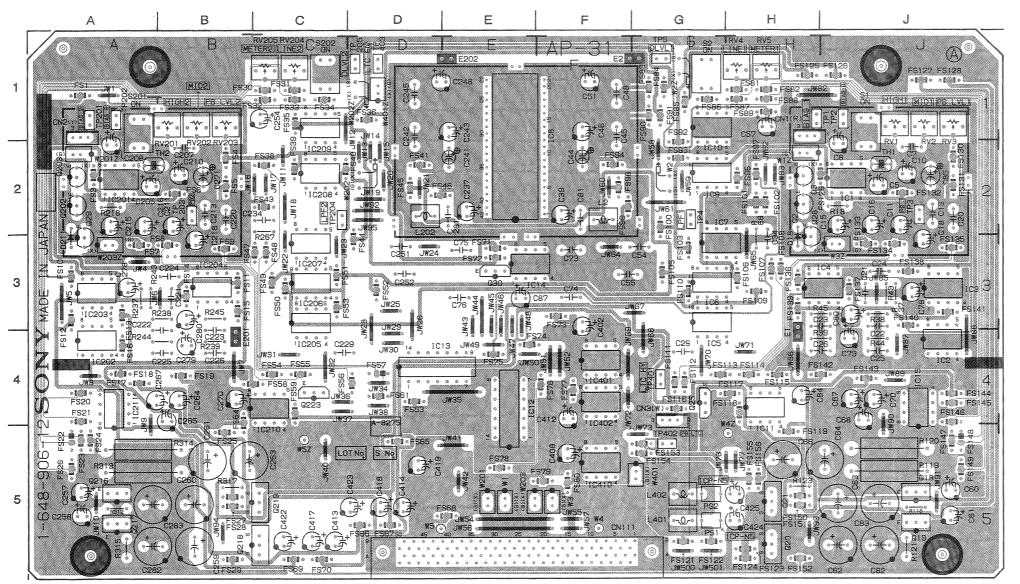
; S-REEL MOTOR

; REEL POSITION SENSOR

UVW-1800/1600 UVW-1800P/1600P ② RM-126 BOARD

PTC-66 BOARD

#### AP-31/31P; AUDIO/TC PB AMP., METER DRIVER



AP-31 1-648-906-12 A SIDE

UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC); Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher

CN1 CN2 CN3 CN111 FS40 FS41 FS43 FS44 FS45 FS46 FS47 FS48 FS49 FS51 FS52 FS53 FS55 FS56 FS57 FS56 FS57 FS59 FS61 FS63 FS63 FS63 FS63 A-1 G-4 E-5 **#**D1 \*D1 \*D2 \*D3 \*D5 \*D6 \*D7 \*D8 **\***D10 \*D15 \*D16 \*D17 **\***D18 \*D202 \*D203 \*D204 \*D205 \*D206 \*D207 \*D210 D211 \*D401 \*D403 \*D500 FS66 FS67 FS68 FS69 FS70 FS71 FS72 FS73 FS74 FS75 E1 E2 E201 E202 H-4 G-1 B-4 E-1 FS76 FS77 FS78 FS79 FS80 FS81 FS82 FS83 FS84 FS86 FS87 FS90 FS91 FS92 FS93 FS94 FS96 FS96 FS97 FS98 FS99 FS100 FS1 FS108 FS109 FS110 FS111 FS112 FS113 FS115 FS116 FS117 FS118 FS119 #: B SIDE P: UVW-1800P ONLY

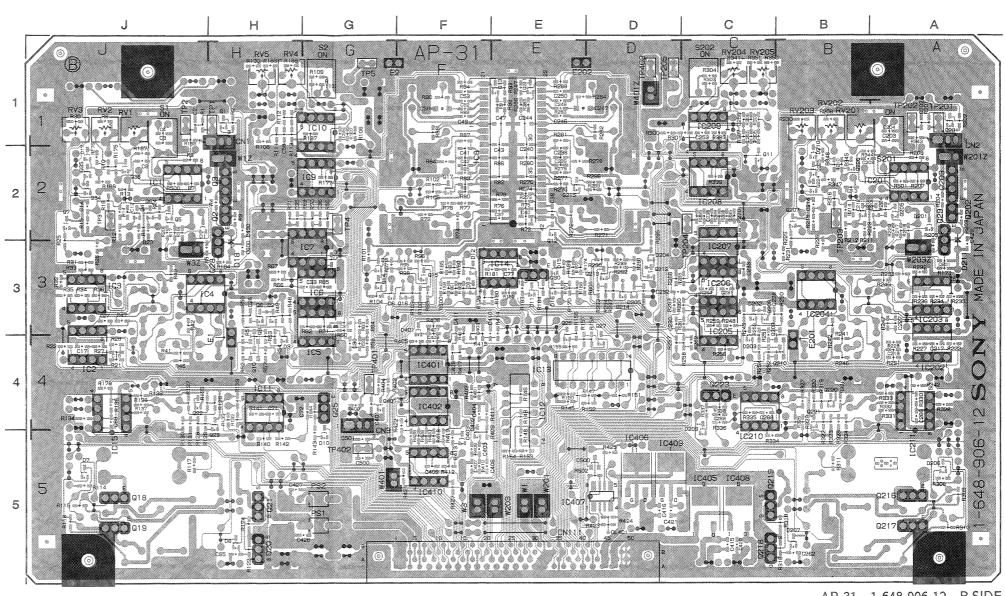
AP-31 (1-648-906-12)

N: UVW-1800 ONLY

F\$122 F\$123 F\$123 F\$123 F\$126 F\$126 F\$127 F\$128 F\$129 F\$130 F\$131 F\$132 F\$133 F\$133 F\$133 F\$136 F\$137 F\$138 F\$136 F\$147 F\$144 F\$145 F\$150			1-1-2-2-2-2-2-3-4-4-2-2-1-3-3-3-2-5-5-5-5-4-4-4-3-3-3-2-2-2-2-2-2-2-2-2-2-2-2-3-4-4-2-2-2-2	S202 TH1 TH2 TP1 TP2 TP3 TP4 TP5 TP201 TP202 TP203 TP204 TP205 TP401 TP402 TP403
PS2	G-5	S2 S201	G-1 A-1	

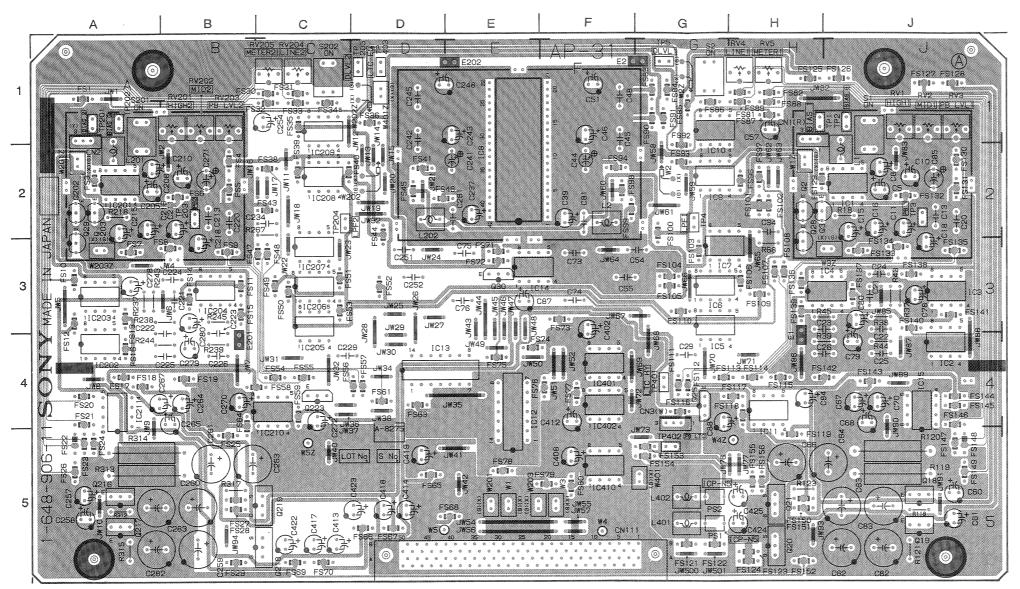
C-1 J-2 A-2

H-1 J-2 G-2 G-1 A-1 B-2 C-2 D-1 G-4 G-5 D-1



AP-31 1-648-906-12 B SIDE

### AP-31A/31AP; AUDIO/TC PB AMP., METER DRIVER



AP-31 1-648-906-11 A SIDE

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140

FS40 CN2 CN3 CN111 A-1 G-4 E-5 234433555533333222234433554233555 HACCDDABCBAFFD5 \*D1 \*D2 \*D3 \*D5 \*D6 \*D7 \*D8 \*D10 \*D11 \*D12 \*D13 \*D16 \*D17 \*D18 \*D201 \*D202 \*D203 \*D204 \*D205 \*D206 \*D206 \*D207 \*D209 \*D210 \*D211 **#**D401 \*D403 \*D500 E1 E2 E201 E202 H-4 G-1 B-4 E-1 FS77 FS78 FS79 FS80 FS81 FS82 FS83 FS84 FS87 FS88 FS89 FS90 FS91 FS92 FS93 FS94 FS96 FS97 FS98 FS99 FS100 FS101 FS101 FS102 FS103 FS104 FS105 FS106 FS107 FS108 FS109 FS110 FS111 FS112 FS113 FS114 FS115 FS117 FS118 FS119

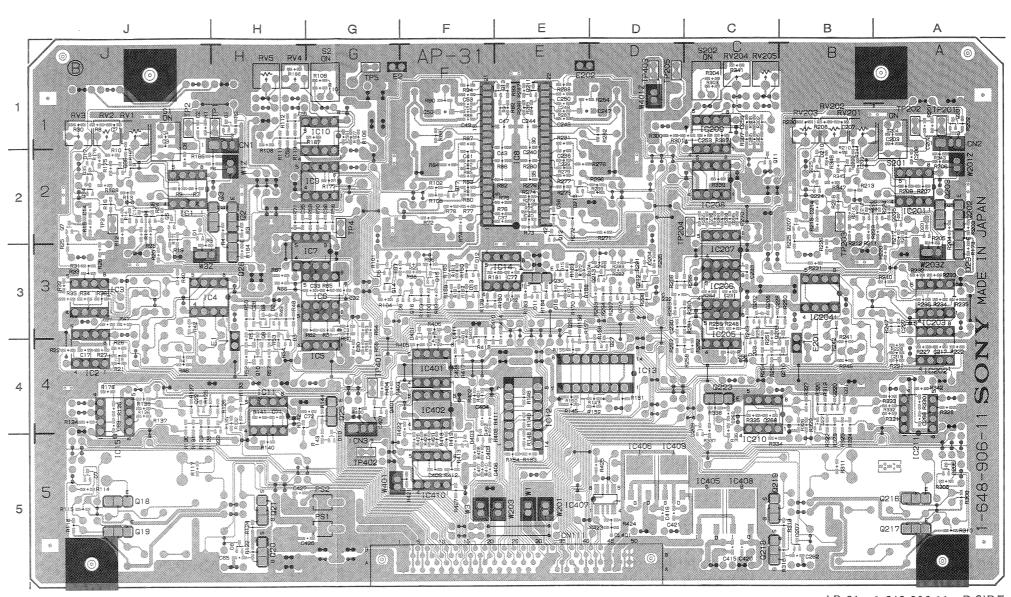
AP-31(1-648-906-11)

# : B SIDE

×		* * *		
Q1	PS1 PS2	IC207 IC208 IC209 IC210 IC211 IC401 IC401 IC402 IC405 IC406 IC407 IC408 IC409 IC410	IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC201 IC202 IC203 IC204 IC206 IC206	FS121 FS122 FS123 FS124 FS125 FS127 FS128 FS129 FS130 FS131 FS132 FS133 FS134 FS135 FS136 FS137 FS138 FS138 FS140 FS141 FS142 FS143 FS144 FS145 FS146 FS147 FS148 FS147 FS148 FS155 FS156 FS155 FS156 FS156
H-1	G-5 G-5	C-3 C-2 C-4 A-4 F-4 C-5 D-5 C-5 F-5	J-2 J-3 J-3 J-3 J-3 J-3 J-3 J-3 J-3 J-3 J-3	-5-5-5-5-1 -5-5-5-5-1 -1-1-1-1-1-1-1-1-1
J_0_	\$2 \$201 \$202	#Q403 RV1 RV2 RV3 RV4 RV5 RV201 RV202 RV203 RV204 RV205	#Q206 #Q207 #Q208 #Q209 #Q210 #Q211 #Q212 #Q213 #Q214 #Q215 Q216 Q217 Q218 Q219 #Q220 #Q220 #Q221 Q223 #Q224 #Q225 #Q226 #Q401 #Q402	Q2 Q3 #Q4 #Q5 #Q6 #Q7 #Q8 #Q9 #Q10 #Q11 #Q12 #Q13 #Q14 #Q15 #Q16 #Q17 Q18 Q19 Q20 Q21 #Q22 #Q23 Q25 #Q26 #Q27 Q28 Q29 Q30 #Q30 #Q34 #Q35 #Q36 #Q34 #Q35 #Q36 #Q201 Q203 #Q204 #Q204 #Q205 #Q205 #Q205 #Q206 #Q206 #Q206 #Q206
<b>-</b> '	G-1 A-1 C-1	F-3 J-1 J-1 H-1 H-1 B-1 B-1 C-1 C-1 J-1	A-2-2-3-4-4-1-3-3-3-2-5-5-5-5-5-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-4-4-2-2-2-4-5-5-5-6-6-5-5-6-6-6-6-6-6-6-6-6-6-6-6	++++++++++++++++++++++++++++++++++++++
				#TH1 #TH2 TP1 TP2 TP3 TP4 TP5 TP201 TP202 TP203 TP204 TP205 TP401 TP402 TP403

J-2 B-2

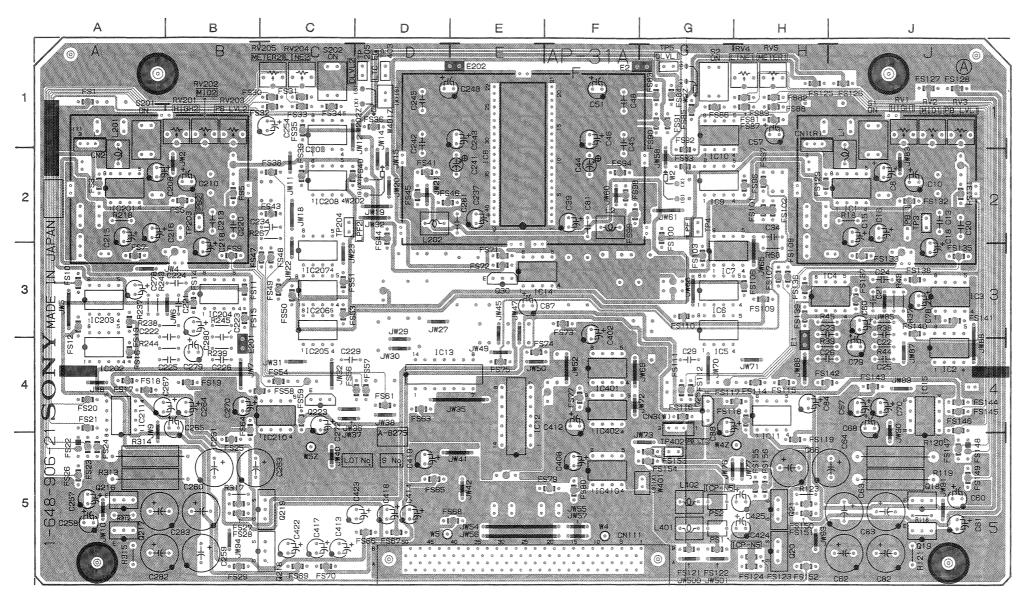
H-1 J-2 G-2 G-1 A-1 B-2 C-2 D-1 G-4 G-5 D-1



AP-31 1-648-906-11 B SIDE

**#**Q1

# AP-31A/31AP; AUDIO/TC PB AMP., METER DRIVER



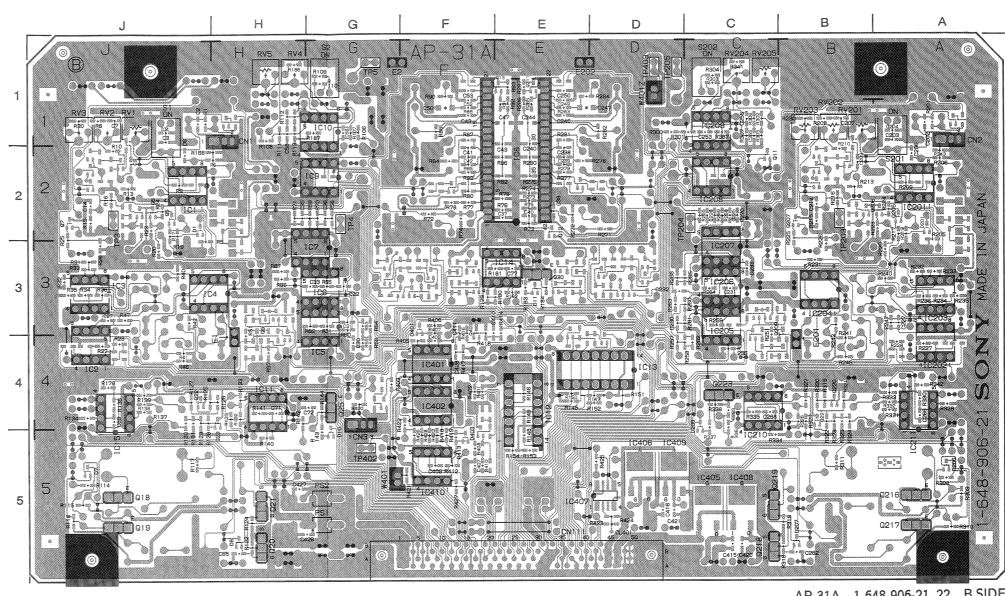
AP-31A 1-648-906-21, 22 A SIDE

AP-31A (1-64	8-906-21	22)	
CN1 CN2 CN3 CN111	H-1 A-1 G-4 E-5	FS63 FS64 FS65 FS66 FS67	D-4 B-4 D-5 D-5 D-5
*D1 *D7 *D8 *D10 *D11 *D201 *D206 *D207 *D209 *D401 *D403 *D500 F	J-2 J-5 H-5 G-3 A-2 A-5 B C-4 F-3 F-5 D-5	FS68 FS69 FS70 FS71 FS72 FS73 FS74 FS75 FS77 FS79 FS80 FS81	E-5 C-5 C-5 E-3 F-3 E-4 F-4 F-5 F-5
E1 E2 E201 E202	H-4 G-1 B-4 E-1	FS82 FS83 FS84 FS85 FS86 FS87	H-1 G-1 G-1 G-1 H-1
FS1 FS3 FS5 FS6 FS7 FS9 FS10 FS11 FS12 FS13 FS16 FS17 FS18 FS20 FS21 FS22 FS23 FS22 FS23 FS24 FS25 FS26 FS27 FS28 FS30 FS31 FS33 FS34 FS35 FS36 FS37 FS38 FS38 FS38 FS39 FS40 FS41 FS43 FS44 FS45 FS46 FS47 FS46 FS47 FS46 FS47 FS46 FS47 FS46 FS47 FS46 FS47 FS47 FS48 FS48 FS48 FS48 FS48 FS48 FS48 FS49 FS49 FS40 FS41 FS48 FS48 FS48 FS48 FS48 FS48 FS48 FS48	A A B B A A B B A A A B A A A A A B B B B C C C C	FS88 FS89 FS90 FS91 FS92 FS93 FS94 FS96 FS97 FS98 FS99 FS100 FS107 FS108 FS107 FS110 FS111 FS114 FS115 FS117 FS118 FS124 FS123 FS124 FS123 FS124 FS125 FS127 FS128 FS127 FS128 FS127 FS132 FS132 FS133 FS135 FS137	: 11 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3

<sup>#:</sup> B SIDE P: UVW-1600P ONLY N: UVW-1600 ONLY

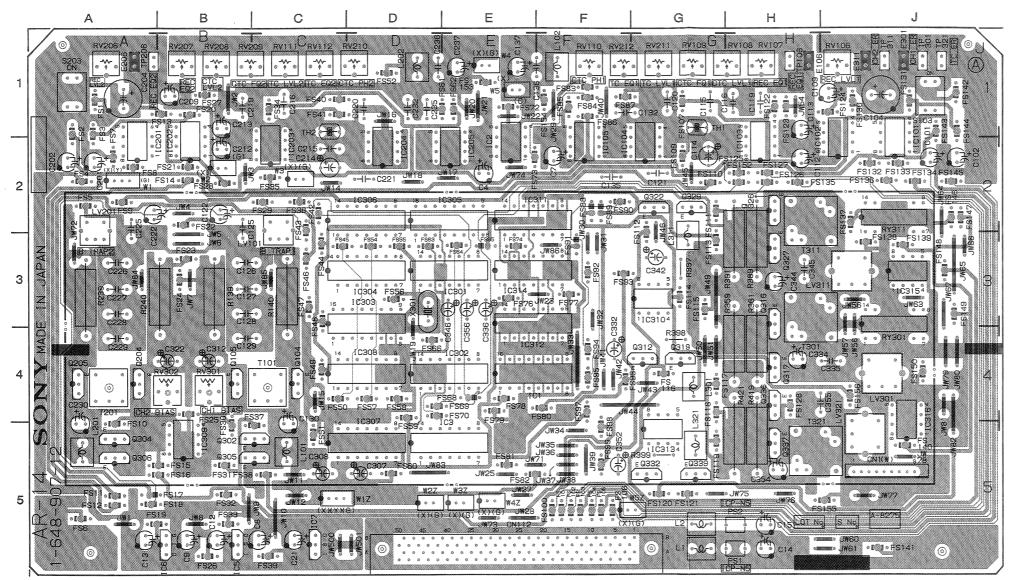
#### AP-31A/31AP AP-31A/31AP

FS148 FS149 FS150 FS151 FS152 FS153 FS155 FS156 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC210 IC402 IC406 #IC407 #IC408 #IC408 #IC409 IC410	J-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	RV1 RV2 RV3 RV4 RV5 RV201 RV202 RV203 RV204 RV205 S1 S2 S201 S202 *TH1 *TH2 TP3 TP4 TP5 TP203 TP204 TP205 TP402 TP402 TP403	JJJHHBBBBCC JGAC JB JGGBCDGD
PS1 PS2 #Q5 #Q6 #Q7 #Q9 #Q11 #Q12 #Q12 #Q13 Q21 #Q22 #Q23 Q25 Q30 #Q205 #Q206 #Q207 #Q209 #Q211 Q218 Q219 #Q223 #Q23 #Q	G-5 J-2 2 4 4 2 2 1 5 5 5 5 5 4 4 4 4 3 2 2 2 4 1 5 5 5 5 4 4 4 4 3 E A A C C B B C F		



AP-31A 1-648-906-21, 22 B SIDE

### AR-14/14P; AUDIO/TC REC AMP., AUDIO/TC ERASE OSC., AUDIO BIAS DRIVER



AR-14 1-648-907-12 A SIDE

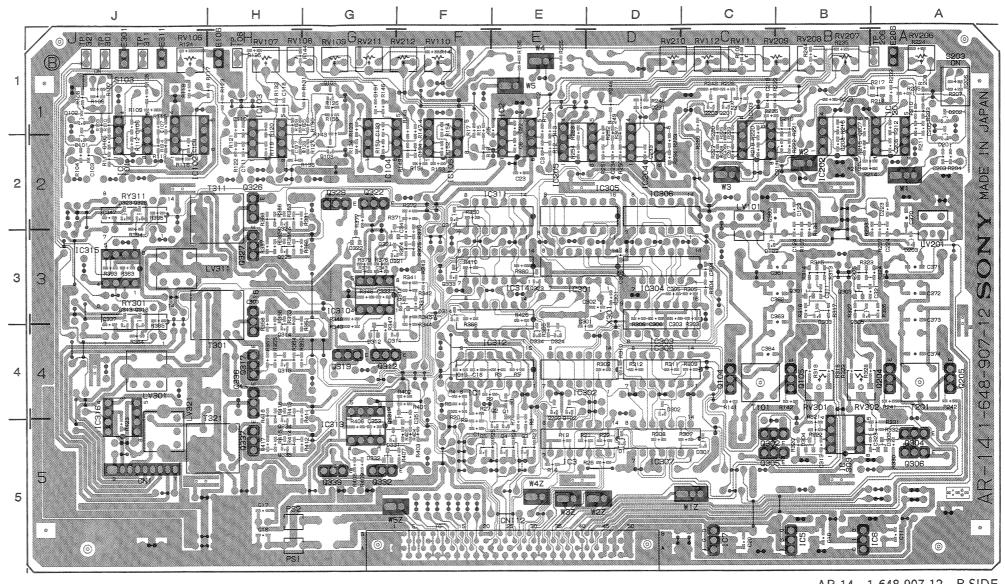
UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC) ; Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher

CN1 CN112 FS44 FS45 \*D101 \*D102 \*D103 \*D201 \*D301 \*D302 \*D303 \*D304 \*D305 \*D303 \*D306 \*D311 \*D312 \*D313 **\***D314 **#**D321 \*D321 \*D322 \*D323 \*D324 \*D331 \*D332 \*D334 E106 E206 E301 E311 FS101 FS102 FS103 FS104 FS105 FS106 FS107 FS108 FS109 FS110 FS111 FS112 FS113 FS114 FS115 FS116 FS117 FS118 FS119 FS120 FS121 FS122 FS123

AR-14 (1-648-907-12)

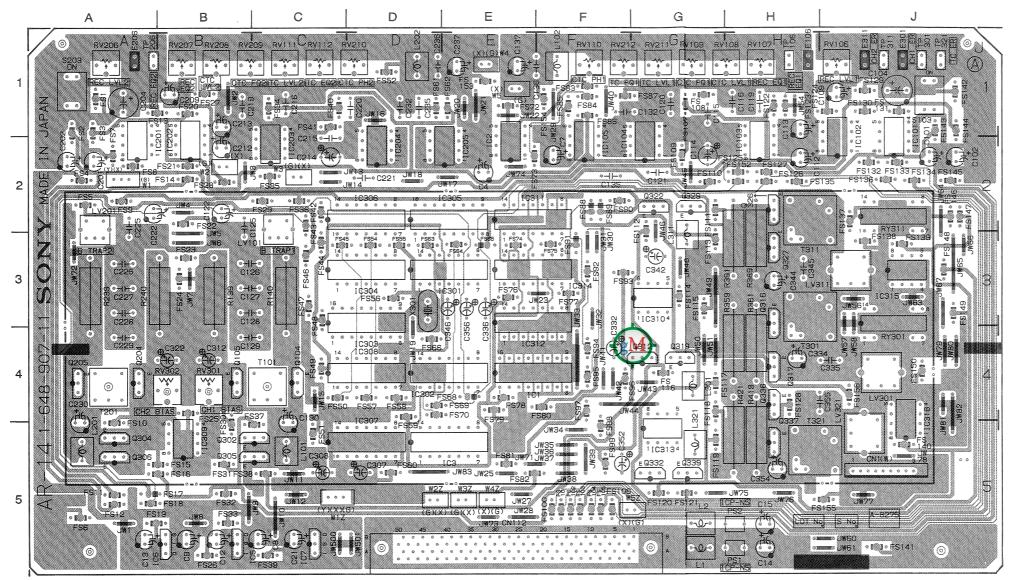
# : B SIDE

F\$124 F\$125 F\$126 F\$127 F\$128 F\$130 F\$131 F\$132 F\$133 F\$134 F\$135 F\$136 F\$137 F\$138 F\$139 F\$140 F\$144 F\$144 F\$144 F\$144 F\$144 F\$145 F\$145 F\$145 F\$145 F\$150 F\$150 F\$152 F\$155 F\$156	J-1-2-2-4 H-1-1-2-2-2-3-3-5-5-1-1-1-2-2-3-3-4-2-1-1-5-4 E-1-1-5-4	*Q3 *Q4 *Q5 *Q101 *Q102 *Q103 Q104 Q105 *Q201 *Q202 *Q203 Q204 Q205 *Q301 Q302 *Q303 Q304 Q305 Q306 *Q311 Q312 *Q313 *Q314 *Q315 Q316 Q317 *Q318 Q319 *Q321 Q322 *Q323 *Q324	5-5-5-1-4-2-4-4-1-4-4-9-5-9-5-5-5-9-4-2-4-4-9-4-9-2-9-2-2-9-2-1-1-1-1-1-1-1-1-1-1-1-1-1
IC1 IC2 IC3 IC5 IC6 IC7 IC101 IC102 IC103 IC104 IC105 IC201 IC202	E-4 E-5 B-5 B-5 J-2 J-2 F-2 B-6	*Q325 Q326 Q327 *Q328 Q329 *Q331 Q332 *Q333 *Q334 *Q335 Q336 Q337 Q339	H-3 H-2 H-3 J-2 G-2 F-5 G-5 F-3 H-4 H-5 G-5
IC203 IC204 IC205 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC310 IC311 IC312 IC313 IC314 IC315	C-2 C-2 C-2 C-3 C-5 C-5 C-4 C-5 C-5 C-5 C-5 C-5 C-5 C-5 C-5 C-5 C-5	RV106 RV107 RV108 RV109 RV111 RV112 RV206 RV207 RV208 RV209 RV210 RV211 RV212 RV301 RV302	J-1 H-1 G-1 F-1 C-1 A-1 B-1 B-1 G-1 F-1 B-4
IC316 LV101	J-5 C-2	RY301 RY311	J-3 J-2
LV201 LV301 LV311	A-2 J-4 J-3	S103 S203	J-1 A-1
LV321 PS1 PS2	J-5 H-5 H-5	TP106 TP206 TP301 TP311	H-1 A-1 J-1 J-1
#Q1 #Q2	E-5 E-5	TP321 X301	J-1 D-3
. ~~	_ 0	,.501	2 3



AR-14 1-648-907-12 B SIDE

### AR-14/14P; AUDIO/TC REC AMP., AUDIO/TC ERASE OSC., AUDIO BIAS DRIVER



AR-14 1-648-907-11 A SIDE

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140

CN1 CN112 C333334444551133334444555111 E-5 **\***D1 **\***D101 \*D201 \*D202 \*D203 **\***D301 \*D302 \*D303 \*D304 \*D305 \*D306 \*D311 **\***D312 \*D313 \*D314 \*D321 \*D322 \*D323 **\***D324 **\***D331 E106 E206 E301 E311 FS107 FS108 FS109 FS110 FS111 FS112 FS113 FS114 FS115 FS116 FS117 FS118 FS119 FS120 FS121 FS122

AR-14 (1-648-907-11)

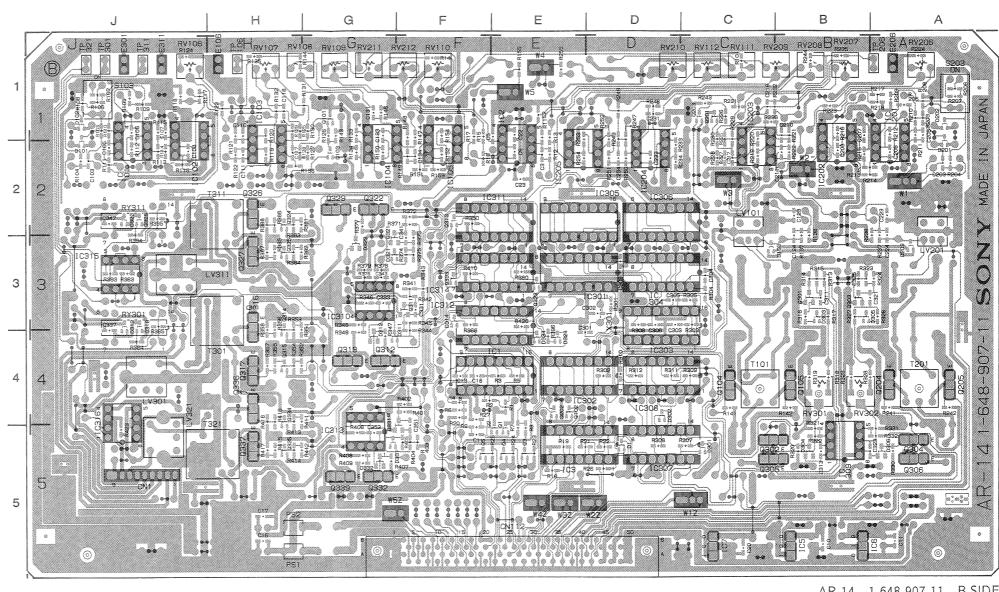
# : B SIDE

F\$123 F\$124 F\$125 F\$126 F\$127 F\$128 F\$130 F\$131 F\$132 F\$133 F\$134 F\$135 F\$138 F\$138 F\$138 F\$144 F\$142 F\$144 F\$144 F\$145 F\$144 F\$145 F\$145 F\$146 F\$147 F\$148 F\$155 F\$155 F\$155 F\$155 F\$155 F\$155	H-1 H-1-2-2-4-1 H-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	#Q1 #Q2 #Q3 #Q4 #Q5 #Q101 #Q102 #Q103 Q104 Q105 #Q201 #Q202 #Q203 Q204 Q205 #Q301 Q302 #Q303 Q304 Q305 Q306 #Q311 Q312 #Q313 #Q315 Q316 Q317 #Q317 #Q318 Q319 #Q322 #Q324	E E E E F G E G C B C E C A A B C B A C A F G F H H H H J G G G E H	TP301 TP311 TP321 X301
IC1 IC2 IC3 IC5 IC6 IC7 IC101 IC102 IC103 IC104 IC105 IC201 IC202	E-4 E-2 D-5 B-5 D-5 J-2 J-2 P-2 A-2 B-2	*Q325 Q326 Q327 *Q328 Q329 *Q331 Q332 *Q333 *Q334 *Q335 Q336 Q337 Q339	H-2 H-2 H-3 G-5 F-3 H-5 H-5 H-5 H-5	
IC203 IC204 IC205 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC310 IC311 IC312 IC313 IC314 IC315 IC316	C-2 2-2 3-4 4-3 3-3 5-5 4-5 3-3 6-5 3-3 5-5 4-5 3-3 5-5 3-5 5-5 5	RV106 RV107 RV108 RV109 RV111 RV111 RV206 RV207 RV208 RV209 RV210 RV211 RV212 RV301 RV302	J-1 H-1 H-1 G-1 C-1 C-1 A-1 B-1 B-1 B-1 B-1 B-1 B-1 B-1 B-4 B-4	
LV101	C-2	RY311	J-2	
LV201	A-2	S103	J-1	
LV301	J-4	\$203	A-1	
LV311	J-3	#TH1	G-2	
LV321	J-5	#TH2	C-2	
PS1	H-5	TP106	H-1	
PS2	H-5	TP206	A-1	

TP106 TP206

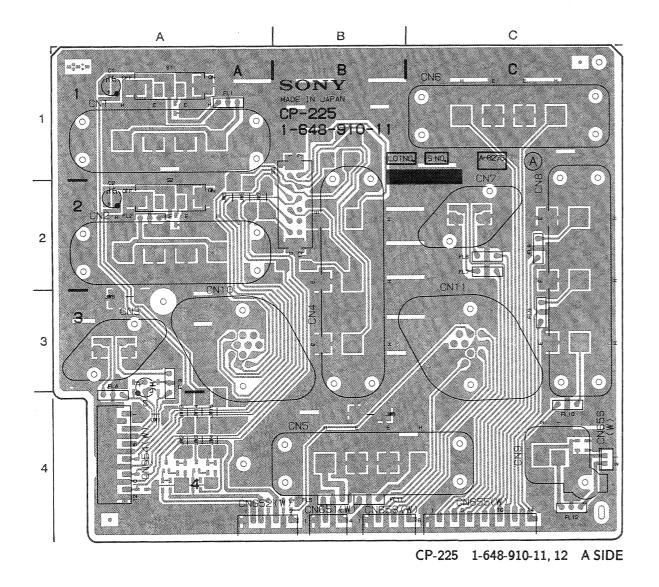
J-1 J-1 J-1

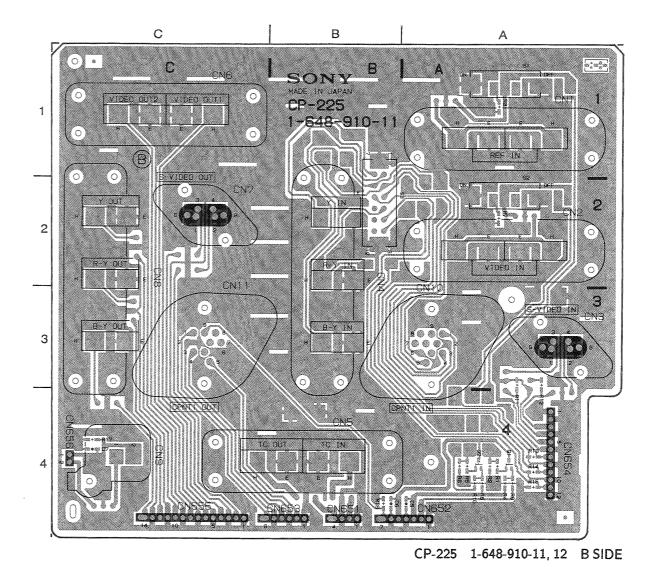
D-3



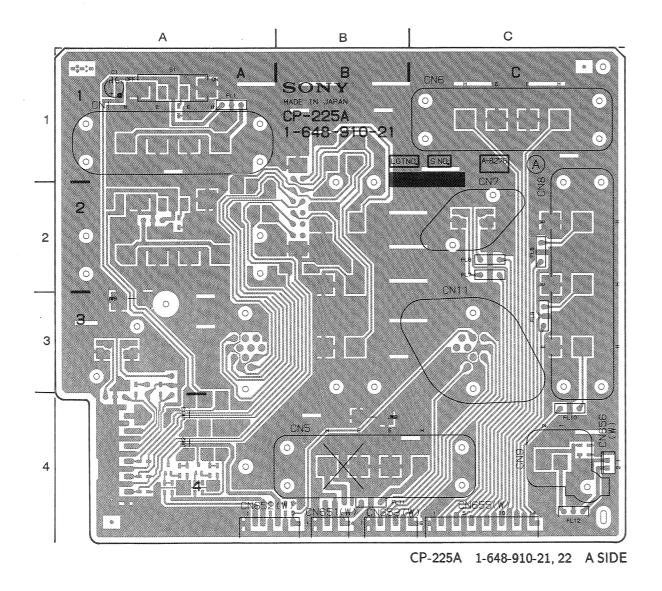
AR-14 1-648-907-11 B SIDE

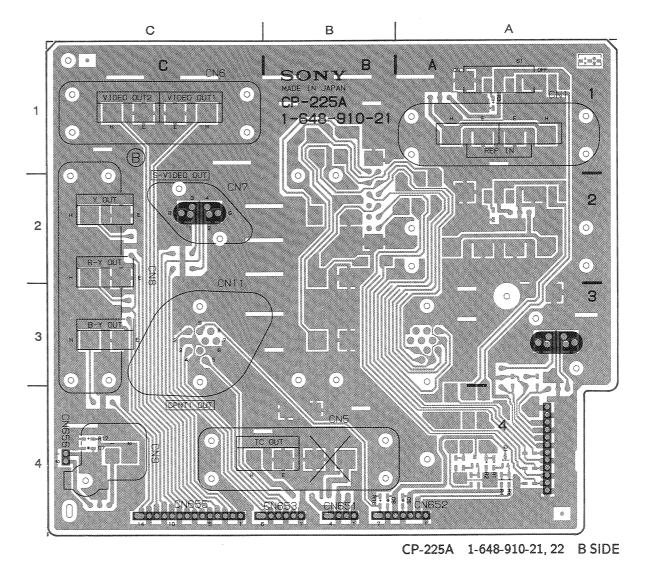
### **CP-225; VIDEO INPUT/OUTPUT CONNECTOR**



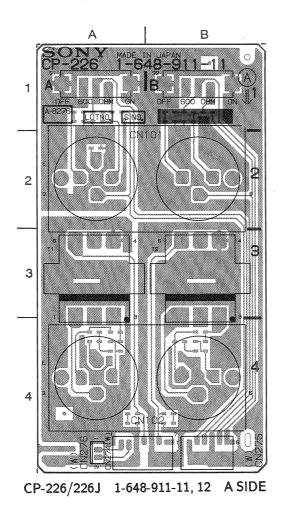


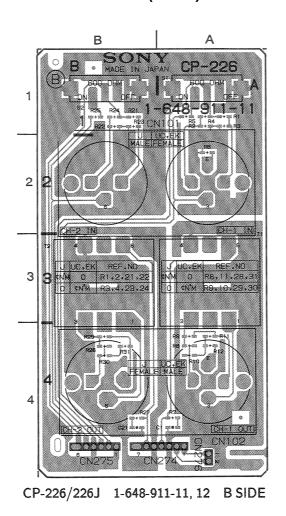
# CP-225A; VIDEO OUTPUT CONNECTOR

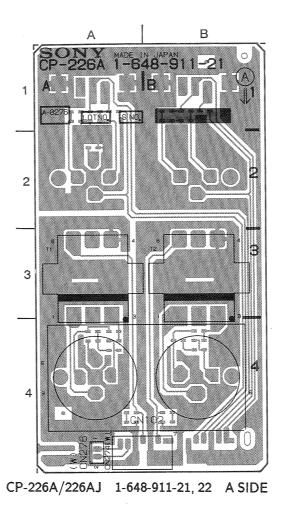


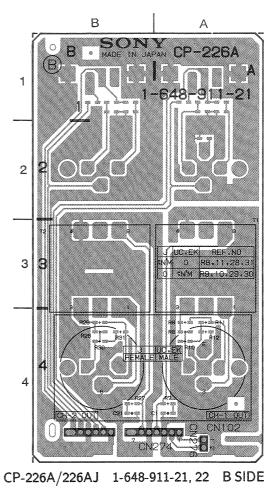


CP-226 ; AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER (FOR UC, EK) CP-226J ; AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER (FOR J) CP-226A ; AUDIO OUTPUT CONNECTOR, OUTPUT TRANSFORMER (FOR ÚC, EK) CP-226AJ; AUDIO OUTPUT CONNECTOR, OUTPUT TRANSFORMER (FOR J)

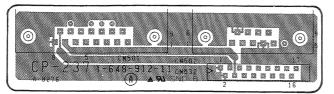




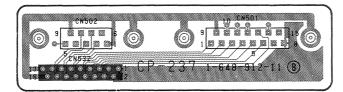




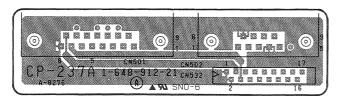
CP-237 ; TBC/9P REMOTE CONNECTOR CP-237A ; TBC/9P REMOTE CONNECTOR



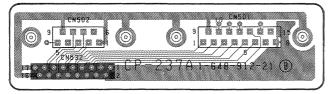
CP-237 1-648-912-11, 12 A SIDE



CP-237 1-648-912-11, 12 B SIDE

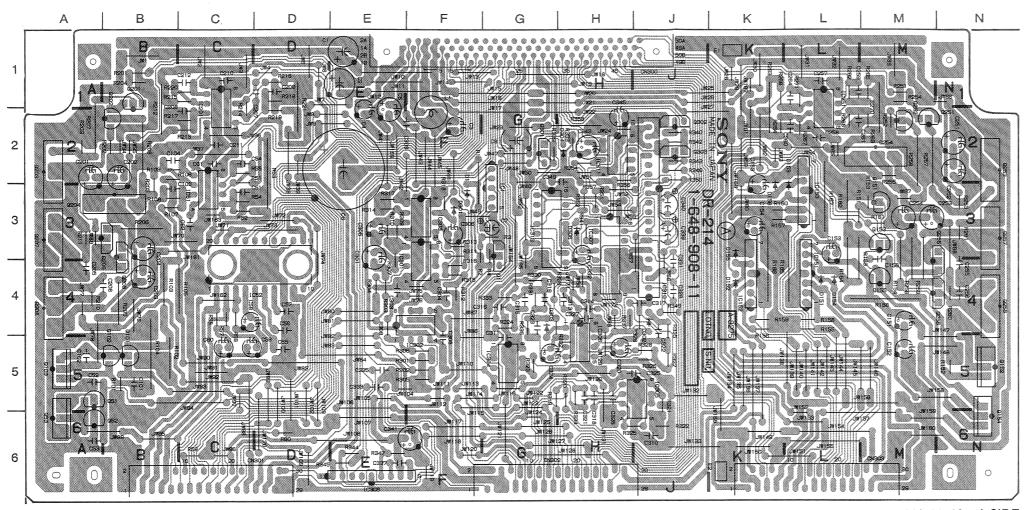


CP-237A 1-648-912-21 A SIDE



CP-237A 1-648-912-21 B SIDE

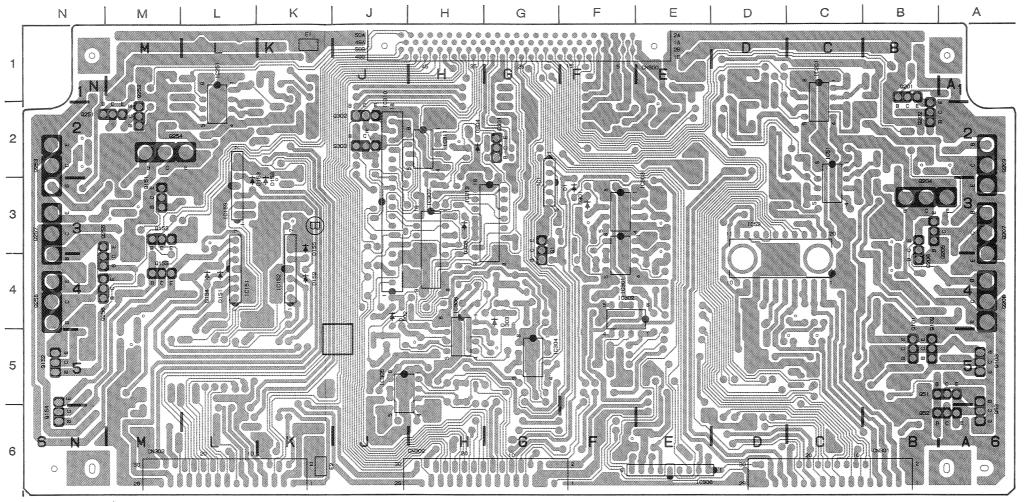
# DR-214; MOTOR DRIVER, TENSION SENS. AMP., DRUM FG/PG AMP., CAPSTAN FG AMP., CTL REC/PB AMP.



DR-214 1-648-908-11, 12 A SIDE

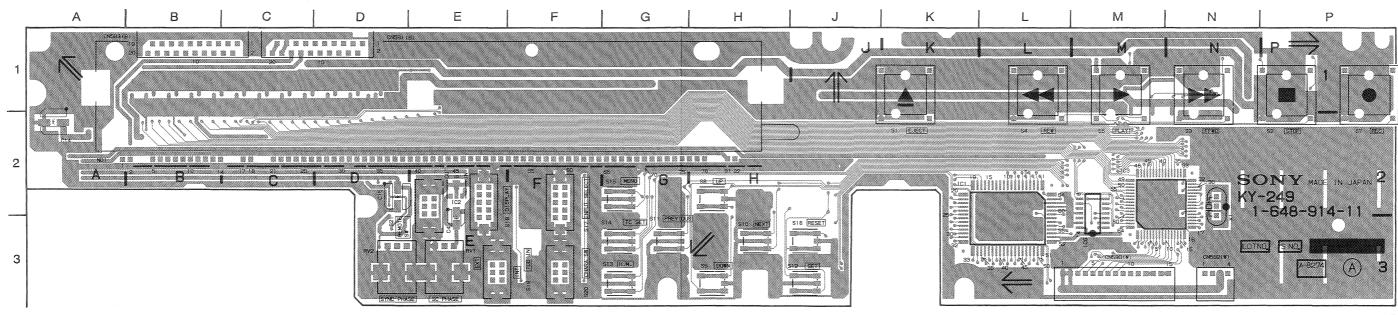
CN300 H-1 CN301 C-5 CN302 H-5 CN303 L-5 D1 G-2 D151 L-3 D152 K-3 D153 L-2 D154 M-3 D155 K-3 D156 L-2 D301 G-2 D302 J-4 D303 H-4 D304 H-2 D306 H-3 K-1 K-5 E1 E2 IC1 G-2 IC51 C-2 IC52 D-3 IC151 L-4 IC153 L-2 IC201 C-1 IC301 F-3 IC302 F-4 IC303 F-2 IC304 G-4 IC305 J-5 IC310 J-2 IC308 E-5 IC310 J-3 IC311 J-1 IC313 H-2 Q1 G-3
Q51 B-5
Q52 B-5
Q53 B-5
Q101 B-4
Q102 B-4
Q103 M-2
Q152 N-4
Q153 M-3
Q154 N-5
Q155 M-3
Q201 B-1
Q202 B-1
Q203 B-2
Q204 B-2
Q204 B-2
Q205 B-3
Q206 B-3
Q206 B-3
Q206 B-3
Q207 B-3
Q208 B-4
Q251 N-1
Q252 N-1
Q252 N-1
Q255 N-3
Q256 N-3
Q256 N-3
Q256 N-3
Q257 N-3
Q258 N-4
Q301 H-2
Q302 K-1
Q303 K-2

DR-214 (1-648-908-11, 12)

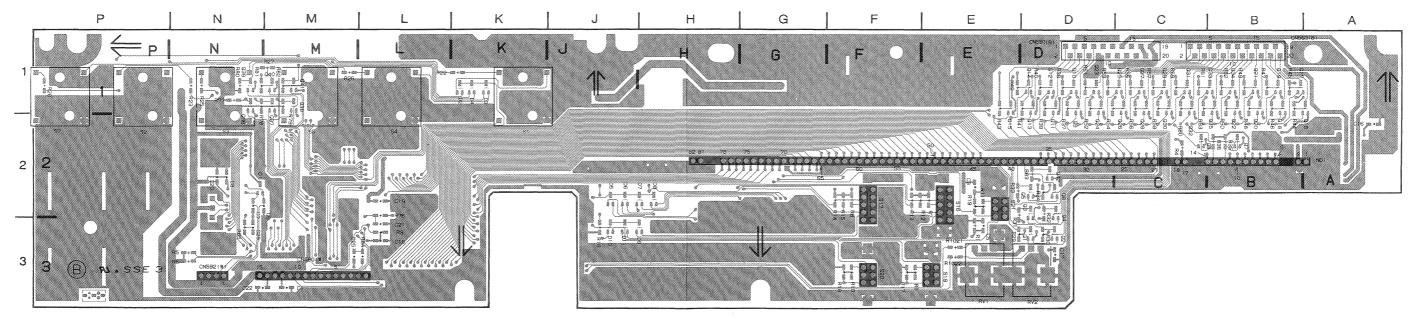


DR-214 1-648-908-11, 12 B SIDE

### **KY-249; FUNCTION KEY**



KY-249 1-648-914-11 A SIDE



KY-249 1-648-914-11 B SIDE

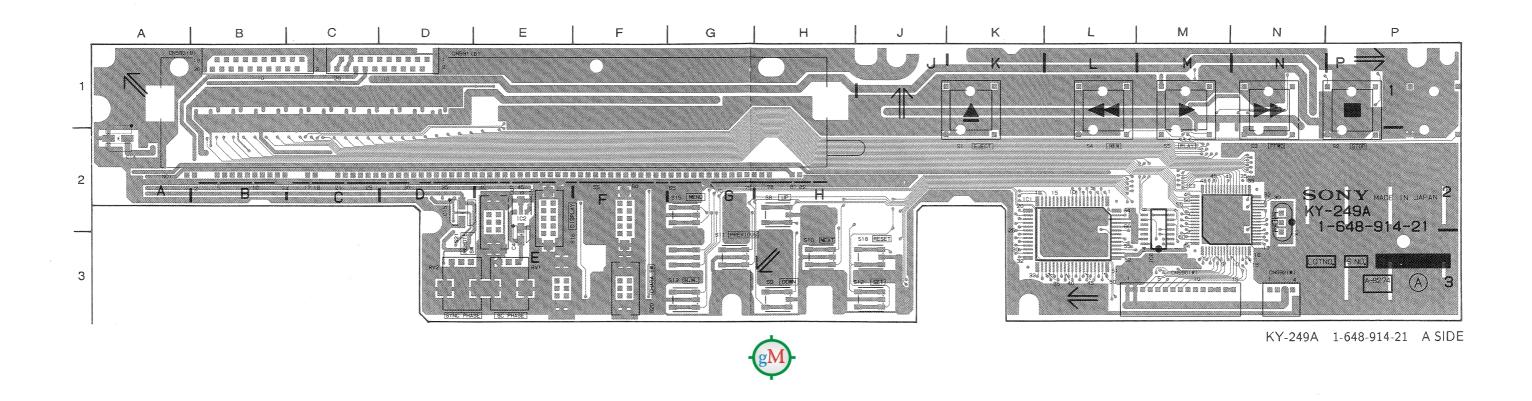
KY-249(1	-648-01	4.111
N 1-24901	-040-91	4-111

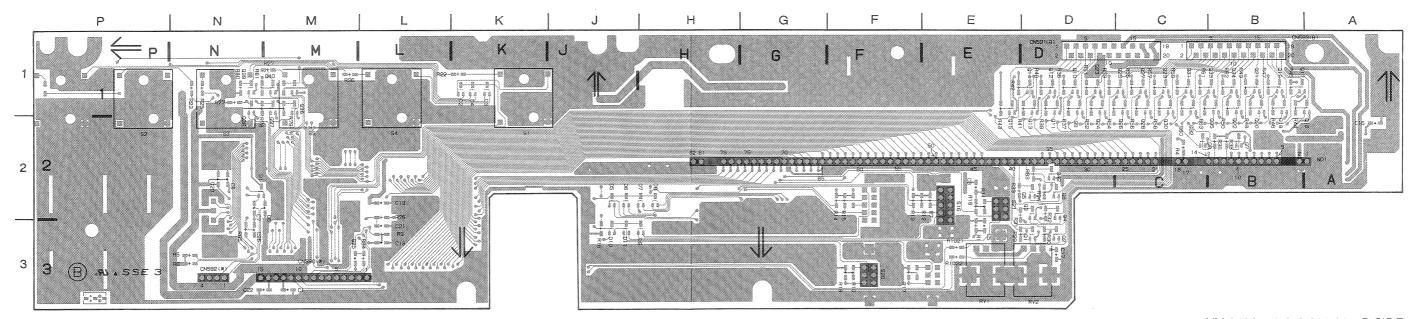
CN590 CN591 CN592 CN593	M-3 D-1 N-3 B-1	S8 S9 S10 S11	H-2 H-3 H-3 G-3
*D1 *D2 *D3 *D4 *D5 *D6 *D7 *D8 *D9 *D10 *D11	N-2 K-1 K-1 J-2 J-2 H-2 H-3 J-3 J-3	S12 S13 S14 S15 S16 S17 S18 S19 S20 S21	J-3 G-3 G-2 E-2 J-3 E-3 F-3 E-2 N-2
IC1 IC2 IC3 IC6	L-3 E-2 M-2 M-3		
ND1	E-2		
#Q1 #Q2 #Q3 #Q4 #Q5 #Q6 #Q7 #Q8 #Q10 #Q11 #Q112 #Q114 #Q15 #Q15 #Q16 #Q17 #Q19 #Q20 #Q21 #Q22 #Q23 #Q24 #Q25 #Q25 #Q26 #Q27 #Q28 #Q27 #Q28 #Q33 #Q34 #Q35 #Q34 #Q35 #Q34 #Q35 #Q34 #Q35 #Q34 #Q35 #Q36 #Q37 #Q38 #Q39 #Q39 #Q39 #Q39 #Q39 #Q39 #Q39 #Q39	D-3 D-2 D-2 D-2 D-2 D-2 D-1 D-1 D-1 D-1 D-1 B-1 B-1 B-1 B-1 B-1 C-1 C-1 C-1 C-1 C-1 B-1 B-1 N-1 M-1 M-1 M-1 D-2		
RV1 RV2	E-3 D-3		
S1 S2 S3 S4 S5 S7	K-1 P-1 N-1 L-1 M-1 P-1		

#: B SIDE

UVW-1800/1600 UVW-1800P/1600P

### **KY-249A; FUNCTION KEY**





KY-249A 1-648-914-21 B SIDE

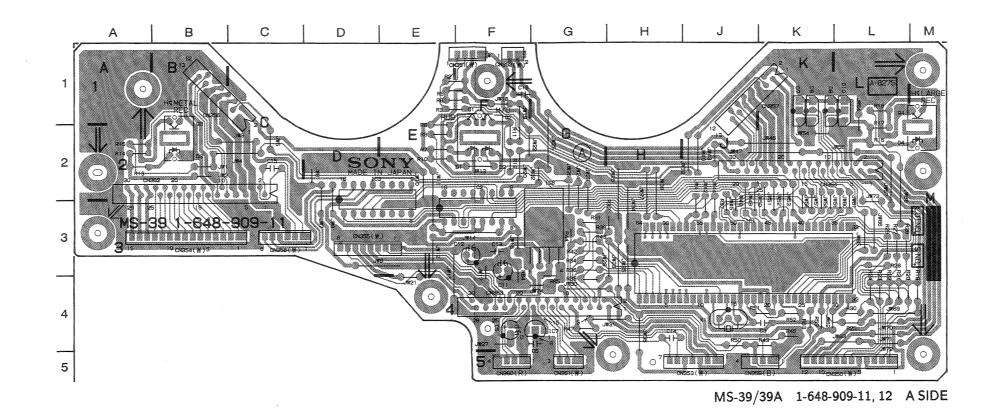
KY-249A(1-648-914-21)

CN590	M-3	S10	H-3
CN591 CN592 CN593	D-1 N-3 B-1	S11 S12 S13	G-3 J-3 G-3
*D1 *D2 *D3 *D4 *D5 *D6 *D7 *D8 *D9 *D10 *D11	N-2 K-1 K-1 J-2 J-2 H-2 H-3 J-3 J-3	\$15 \$16 \$18 \$20 \$21 X1	G-2 E-2 J-3 F-3 E-2 N-2
IC1 IC2 IC3 IC6	L-3 E-2 M-2 M-3		
ND1	E-2		
#Q1 #Q2 #Q3 Q4 #Q5 #Q6 #Q7 #Q10 #Q11 #Q12 #Q11 #Q15 #Q16 #Q16 #Q16 #Q17 #Q16 #Q16 #Q20 #Q21 #Q22 #Q22 #Q23 #Q24 #Q22 #Q24 #Q25 #Q26 #Q27 #Q28 #Q33 #Q34 #Q35 #Q36 #Q36 #Q37 #Q36 #Q37 #Q38 #Q36 #Q37 #Q38 #Q39 #Q39 #Q39 #Q39 #Q39 #Q39 #Q39 #Q39	D-3 D-3 D-2 D-2 D-2 D-2 D-2 D-1 D-1 D-1 D-1 D-1 B-1 B-1 B-1 D-1 C-1 C-1 C-1 C-1 B-1 N-1 N-1 N-1 D-2		
RV1 RV2	E-3 D-3		
\$1 \$2 \$3 \$4 \$5 \$8 \$9	K-1 P-1 N-1 L-1 M-1 H-2 H-3		

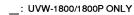
#: B SIDE

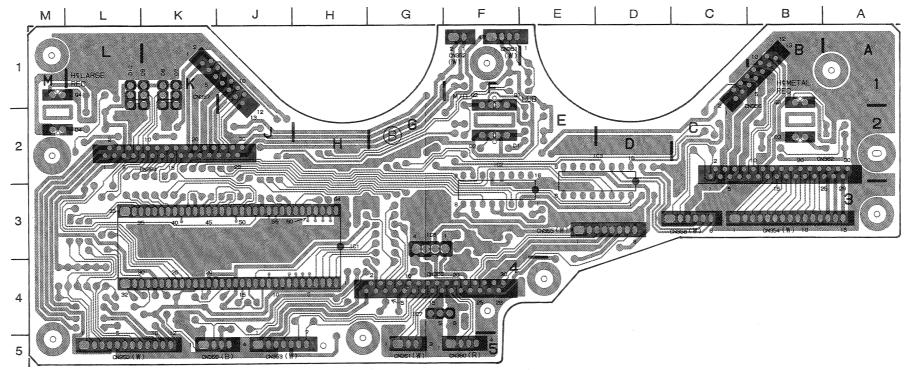
UVW-1800/1600 UVW-1800P/1600P

# MS-39/39A; CASSETTE INFORMATION, SOLENOID DRIVER, MECHA. CONTROL MPU, DATA STORAGE

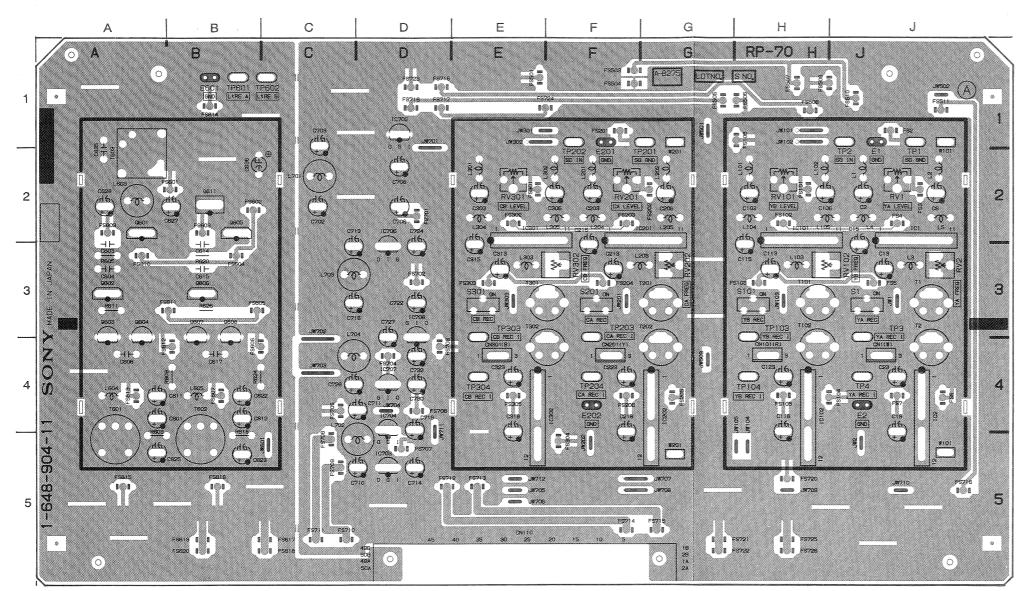


MS-39/39A (1-648-909-11, 12) CN350 L-5 CN351 F-1 CN352 F-1 CN353 J-5 CN354 B-3 CN355 D-3 CN356 B-1 CN357 J-1 CN358 C-3 CN358 C-3 CN359 K-5 CN360 F-5 CN361 G-5 CN362 B-2 CN363 G-4 CN364 K-2 D1 D2 D3 D4 D7 D8 D9 D10 F-2 F-2 B-2 M-2 K-1 K-1 K-1 IC1 IC2 IC3 IC7 IC8 H-4 E-3 D-3 G-4 G-3 F-1 F-1 B-1 **M**-1 Q1 Q2 Q3 Q4 **X**1 J-4





# RP-70/70P; RF REC/PB AMP., ROTARY ERASE OSC., FULL ERASE OSC.



RP-70 1-648-904-11 A SIDE

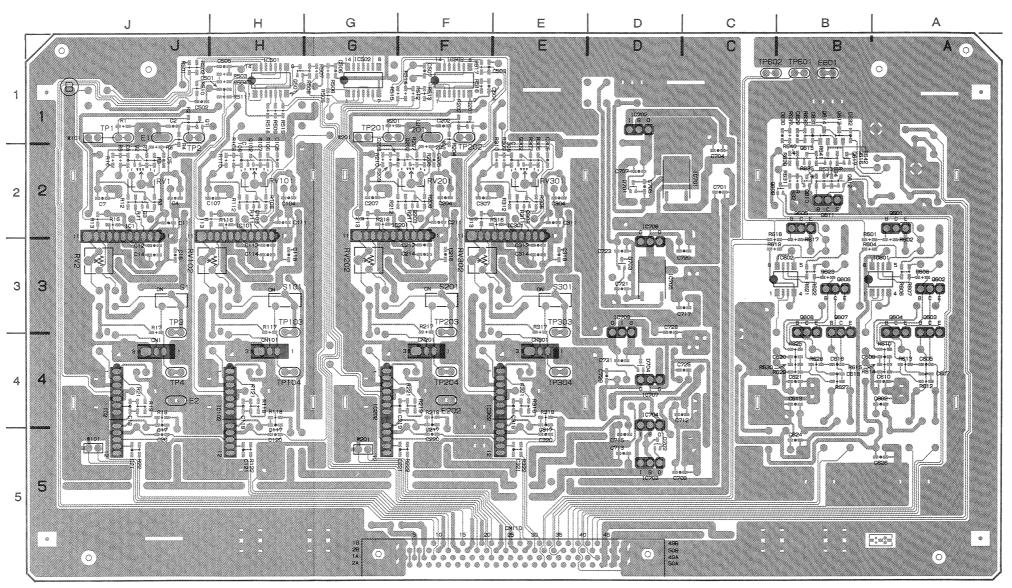
RP-70(1-648	3-904-11)			
CN1 CN101 CN110 CN201 CN301	J-4 H-4 E-5 F-4 E-4	FS708 FS709 FS710 FS711 FS712	C-5 C-5 C-5 C-5 D-5	RV202 RV301 RV302 S1
*D701 *D702 *D703 *D704	D-2 D-5 D-3 D-4	FS713 FS714 FS715 FS716 FS717 FS718	E-5 F-5 G-5 J-5 D-1 D-1	S101 S201 S301 TP1 TP2
E1 E2 E201 E202 E601	J-1 J-4 F-1 F-4 B-1	FS719 FS720 FS721 FS722 FS723 FS724	D-1 H-5 G-5 G-5 D-1 E-1	TP3 TP4 TP103 TP104 TP201 TP202
FS2 FS3 FS4	J-1 J-2 J-2	FS725 FS726	H-5 H-5	TP202 TP203 TP204 TP303
FS4 FS5 FS6 FS7 FS101 FS102 FS103 FS104 FS201 FS203 FS204 FS205 FS206 FS301 FS302 FS303 FS303 FS501 FS506 FS501 FS507 FS508 FS507 FS508 FS509 FS501 FS509 FS501 FS509 FS501 FS602 FS602 FS603 FS604 FS605 FS607 FS707 FS	JJ3 JJ4 JH2 JH3 HH3 HH4 HH1 FF3 GF4 EF3 EF5 EF5 EF1	IC1 IC2 IC101 IC102 IC201 IC202 IC301 IC302 #IC501 #IC502 #IC502 #IC601 IC702 IC703 IC704 #IC705 IC706 IC707 IC708	J-2 J-4 H-4 F-2 G-4 E-4 H-1 G-1 A-3 B-3 D-1 D-5 D-4 D-3 D-4 D-3	TP304 TP601 TP602
	F-1 H-1 H-1 H-1 J-1 B-2 B-3 B-4 A-3 B-4 B-5 5-5 D-3 D-4 C-4 D-5 D-4 C-4 D-5	*Q1 *Q2 *Q3 *Q102 *Q103 *Q201 *Q202 *Q203 *Q303 *Q302 *Q303 *Q501 Q601 Q602 Q603 Q604 Q605 Q606 Q607 Q608 *Q611 *Q612 *Q613 *Q614 *Q615 *Q616 *Q617 RV1 RV1 RV1 RV102 RV201	J-1 J-2 J-1-2 J-2-2 J-1-2 E-1-2 E-1-2 A-3-3 B-3-3 B-3-2 B-3-2 B-3-1 B-3-2 B-3-3 B-3-2 B-3-3 B-3-2 B-3-2 B-3-2 B-3-1 B-3-2 B-3-3 B-3 B	

\* : B SIDE

G-3 E-2 F-3

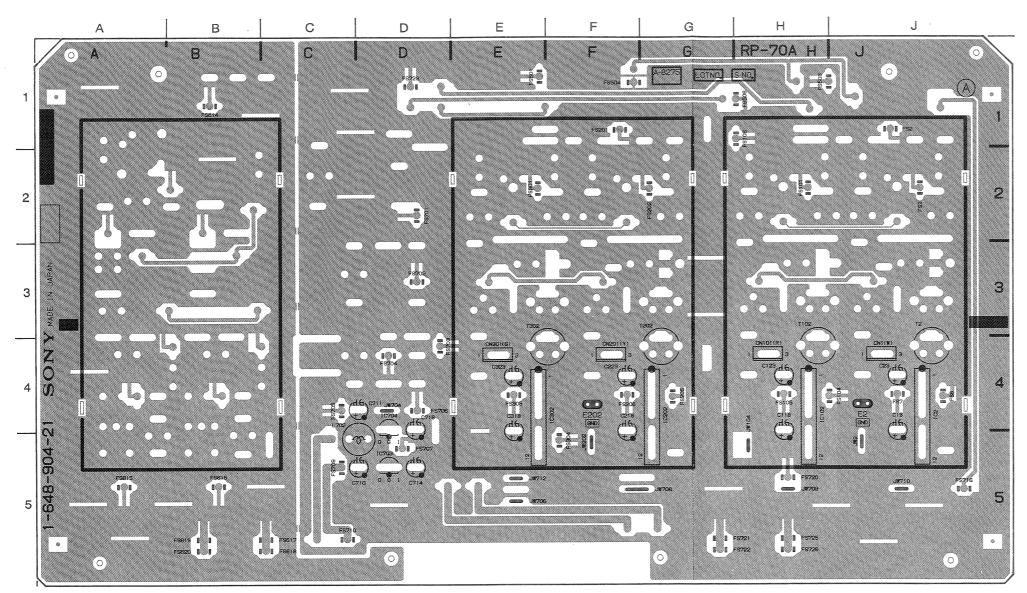
J-3 H-3 F-3 E-3

J-1 J-3 J-4 H-3 H-4 G-1 F-3 F-4 E-3 E-4 B-1 C-1



RP-70 1-648-904-11 B SIDE

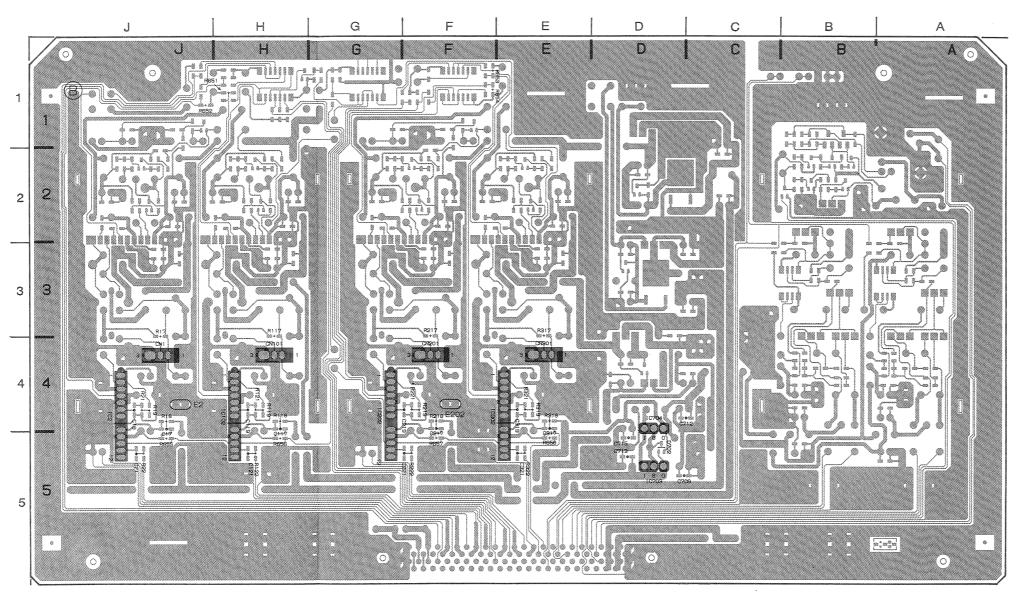
# RP-70A/70AP; RF PB AMP.



RP-70A 1-648-904-21 A SIDE

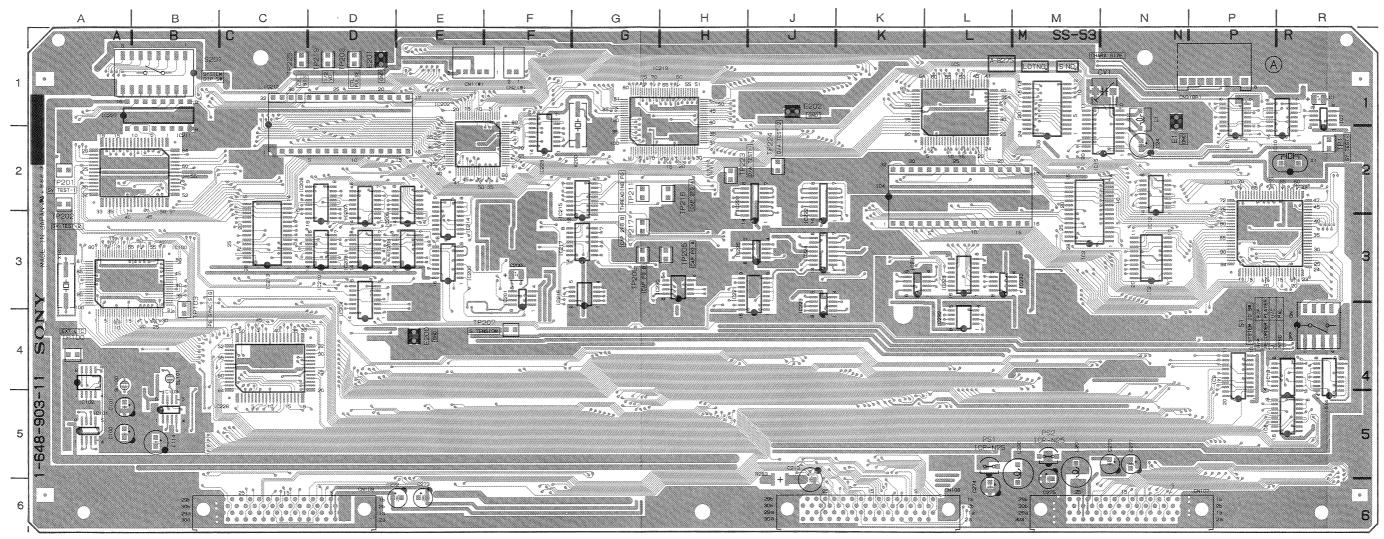
RP-70A(1-	648-904-21
CN1 CN101 CN110 CN201 CN301	J-4 H-4 E-5 F-4 E-4
<b>*</b> D702	D-5
E2 E202	J-4 F-4
FS2 FS3 FS6 FS7 FS101 FS104 FS105 FS106 FS201 FS202 FS205 FS206 FS301 FS304 FS305 FS504 FS506 FS509 FS616 FS617 FS618 FS619 FS620 FS701 FS702 FS703 FS704 FS705 FS701 FS701 FS702 FS703 FS705 FS706 FS707 FS706 FS707 FS706 FS707 FS706 FS707 FS706 FS707 FS708 FS707 FS708 FS708 FS709 FS710 FS709 FS710 FS709 FS710 FS710 FS720 FS721 FS722 FS723 FS723 FS723 FS725 FS726	J-J-J-J-H-H-H-F-G-G-F-E-F-E-E-F-H-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-C-J-H-G-G-D-H-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-J-H-G-G-D-H-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-J-H-G-G-D-H-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-G-G-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-G-G-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-G-G-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-G-G-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-G-G-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-H-B-A-B-C-C-B-B-D-D-D-C-D-D-C-D-B-B-D-D-D-C-D-B-B-D-D-D-D
IC2 IC102 IC202 IC302 IC703 IC704	J-4 H-4 G-4 E-4 D-5 D-4

# : B SIDE



RP-70A 1-648-904-21 B SIDE

# SS-53; SYSTEM CONTROL, SERVO SYSTEM MAIN, TIME CODE GENERATOR/READER, CHARACTER GENERATOR



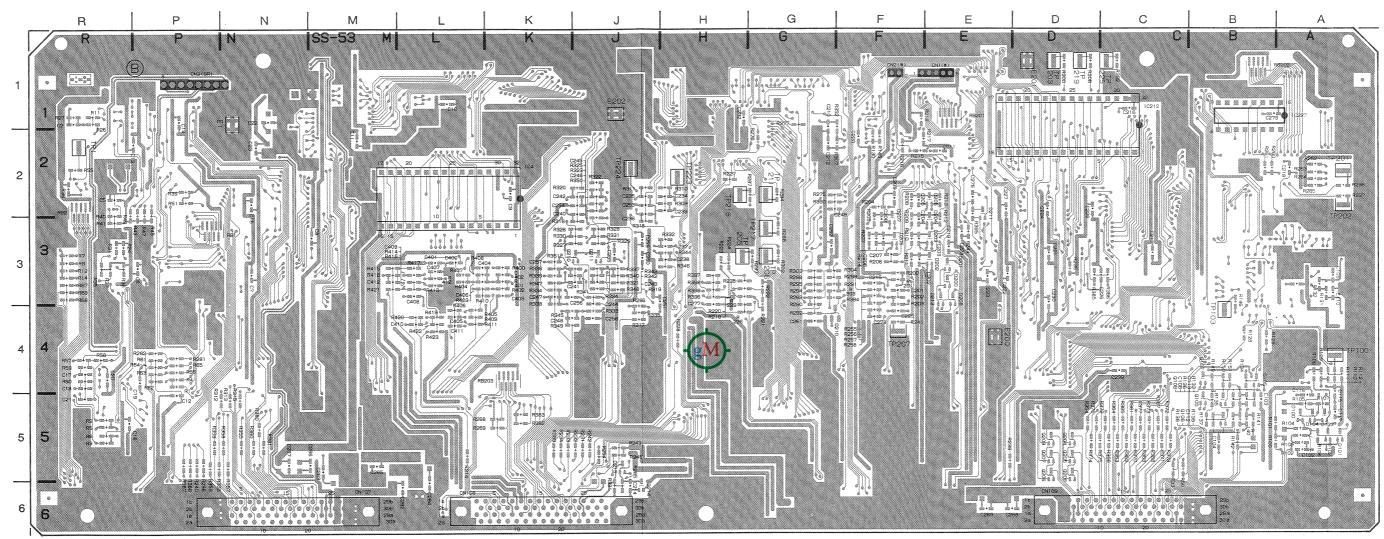
SS-53 1-648-903-11 A SIDE

SS-53(1-64	8-903-11)		
CNI4 CNI212	K-3 C-2	IC223 IC224	J-4 J-3
CN1 CN2 CN3 CN107 CN108 CN109	E-1 F-1 P-1 N-6 K-6 C-6	IC225 IC226 IC227 IC228 IC229 IC230 IC231 IC232 IC233	J-3 C-4 A-2 F-2 L-3 H-3 L-4 M-3
<b>*</b> D100 <b>*</b> D101	A-5 A-5	PS1 PS2	L-5 M-5
*D102 *D103 *D104 *D105 *D200 *D201 *D202 *D203 *D204 *D205 *D206 *D207 *D207 *D207	A-5-5 A-5-5 B-3-3-3-3-2-3-3-2-5-3-3-4-5-4-5-4-5-4-5-4-5-4-5-4-5-4-5-4	*Q105 *Q106 *Q107 *Q107 *Q108 *Q204 *Q205 *Q206 *Q207 *Q208 *Q209 *Q210 *Q211	B-5 B-5 B-4 B-5 D-5 D-5 D-5 D-5 J-3 J-3
*D211 *D213 *D214 *D215	E-2 E-3 J-6 J-5	*RB1 *RB2 *RB201 *RB202 *RB203	P-3 R-2 E-1 B-1 K-4
E1 E200 E201 E202	N-1 E-4 D-1 J-1	S1 S201	R-4 B-1
IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC15 IC100 IC101 IC102 IC103 IC200 IC201 IC202 IC203 IC204 IC206 IC207 IC208 IC209 IC210 IC211 IC212 IC213 IC214 IC215 IC214 IC215 IC216 IC217 IC219 IC220 IC220 IC221 IC222 IC220 IC221 IC222	P-3 3 3 3 1 2 1 5 5 5 2 2 2 2 3 3 5 5 5 5 3 4 2 2 3 4 3 3 3 3 2 2 2 3 3 3 3 4 3 4	TP1 TP100 TP103 TP201 TP202 TP203 TP205 TP206 TP207 TP211 TP216 TP217 TP219 TP223 TP224 TP225 X1 X101 X200	R-2 A-4 B-4 A-2 D-1 H-3 G-4 G-4 G-1 H-2 G-1 H-2 G-1 G-1 G-1 G-1 G-1 G-1 G-1 G-1 G-1 G-1

# : B SIDE

UVW-1800/1600 UVW-1800P/1600P

# SS-53; SYSTEM CONTROL, SERVO SYSTEM MAIN, TIME CODE GENERATOR/READER, CHARACTER GENERATOR



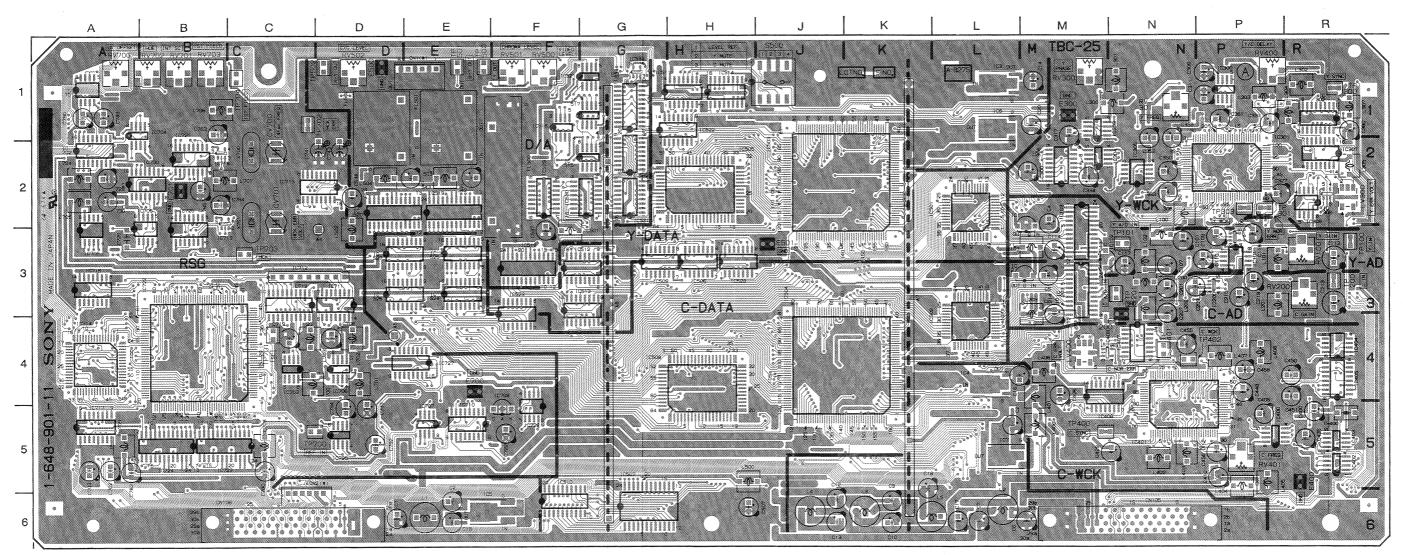
SS-53 1-648-903-11 B SIDE

SS-53(1-64	8-903-11)		
CNI4 CNI212	K-3 C-2	IC223 IC224	J-4 J-3
CN1 CN2 CN3 CN107 CN108 CN109	E-1 F-1 P-1 N-6 K-6 C-6	IC225 IC226 IC227 IC228 IC229 IC230 IC231 IC232 IC233	J-3 C-4 A-2 F-2 L-3 H-3 L-4 M-3
*D100 *D101	A-5 A-5	PS1 PS2	L-5 M-
#D102 #D103 #D104 #D105 #D200 #D201 #D202 #D203 #D204 #D205 #D206 #D207 #D208 #D208 #D208	A-5 A-5 B-3 B-3 B-3 B-3 B-2 F-3 F-3 F-3	*Q105 *Q106 *Q107 *Q108 *Q204 *Q205 *Q206 *Q206 *Q207 *Q208 *Q209 *Q210 *Q211	B 4 B 4 B 4 D 4 D 4 D 4 D 4 J 3 J 3
*D211 *D213 *D214 *D215	E-2 E-3 J-6 J-5	*RB1 *RB2 *RB201 *RB202 *RB203	P-3 R-4 E-1 B-1 K-4
E1 E200 E201 E202	N-1 E-4 D-1 J-1	S1 S201	R-4 B-1
IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC15 IC100 IC101 IC102 IC103 IC200 IC201 IC202 IC203 IC204 IC206 IC207 IC208 IC210 IC211 IC212 IC213 IC214 IC215 IC216 IC217 IC219 IC220 IC220 IC210 IC211 IC212 IC213 IC214 IC215 IC216 IC217 IC219 IC220 IC221 IC220 IC221 IC220 IC221 IC220 IC221 IC220 IC221	P.3.3.3.4.2.1.2.1.5.5.2.2.2.3.3.5.5.5.3.4.2.3.4.3.3.3.3.2.2.3.3.3.3.4.3.4.3.3.3.3	TP1 TP100 TP103 TP201 TP202 TP203 TP205 TP206 TP207 TP211 TP216 TP217 TP219 TP223 TP224 TP225 X1 X101 X200	R-4-A-4-A-4-A-4-A-4-A-4-A-4-A-4-A-4-A-4-

#: B SIDE

UVW-1800/1600 UVW-1800P/1600P

# TBC-25/25P; TIME BASE CORRECTOR, CTDM(EXPAND)



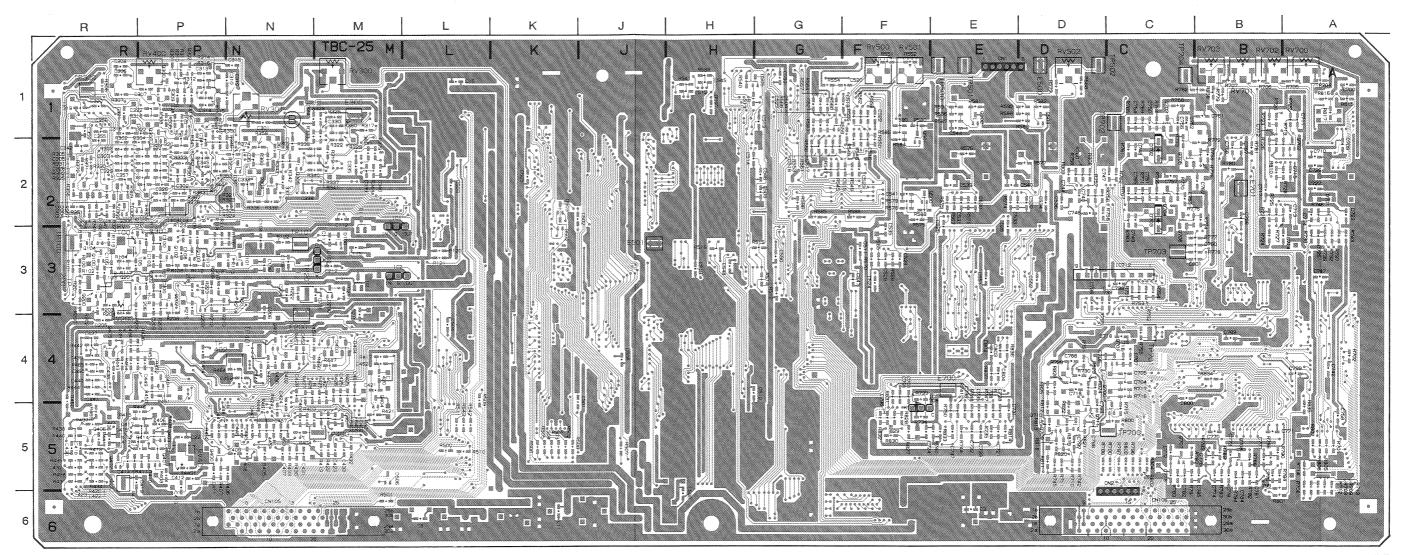
TBC-25 1-648-901-11, 12 A SIDE

TBC-25 (1-648-901-11, 12)

CN1 CN2 CN105 CN106		IC404 IC405 IC406 IC407	R-4 R-4 M-5 N-4	#Q101 #Q102 #Q103 #Q104	R-3 P-3 P-3 R-3	TP702 TP703 TP704	C- C-
CV700 CV701	C-2	IC501	M-4 N N-5 L-2	#Q200 #Q201 #Q202	R-3 R-3 P-3	X700 X701	C-
*D1 *D2 *D100 *D101 *D102 *D301 *D302 *D303 *D304 *D305 *D401 *D402 *D403 *D404 *D502 *D503 *D506 *D506 *D506 *D506 *D506 *D506 *D701 *D702 *D703	M-3 M-3 N-3 R-3 N-2 R-2 R-2 R-2 R-2 R-4 M-4 K-2 G-1 M-5 N-5 N-5 N-5 N-5 N-5 N-5 N-5 N-5 N-5 N	IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC509 IC511 IC512 IC513 IC514 IC515 IC516 IC517 IC518 IC519 IC520 IC520 IC521 IC522 IC523 IC524 IC522 IC523 IC524 IC525 IC524 IC525 IC526 IC526 IC526 IC527 IC526 IC527 IC526 IC527 IC527 IC528	L-4 J-2 4 -2 3 6 4 3 6 F 5 1 1 1 2 2 5 1 1 2 2 5 1 2 2 5 1 2 2 5 1 3 3 3 3 3 3 5 1 3 5 1 5 1 5 1 5 1 5	#Q203 #Q300 #Q301 #Q302 #Q303 #Q304 #Q305 #Q306 #Q400 #Q401 #Q402 #Q403 #Q404 #Q405 #Q406 #Q407 #Q500 #Q500 #Q500 #Q700 #Q700 #Q702 #Q703 #Q706	P-3 P-1-1-1-2-5 P-5-5-5-4 P-5-5-4-4-5-5-1-1-5-5-4-2-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		
E200 E300 E400 E500 E501 E700 E701	N-3 M-1 R-5 D-1 J-3 E-4 B-2	IC529 IC530 IC531 IC532 IC533 IC534 IC700	N F-2 N G-2 N G-2 N G-1 N G-1 N G-1 A-2	#Q707 #Q708 #Q709 #Q710 #Q711 RV100	C-5 B-5 D-5 D-5 D-5 R-3		
FL500 FL501 FL502	E-1	IC701 IC702 IC703 IC704 IC705	A-1 A-2 C-4 A-2 A-3	RV200 RV300 RV301 RV400 RV401	R-3 M-1 N-1 P-1 P-5		
IC1 IC2 IC3 IC4 IC5 IC6 IC7	M-2 M-3 L-1 L-4 E-6 L-1 L-5 P-3	IC706 IC707 IC708 IC709 IC710 IC711 IC712 IC713	D-4 E-5 F-5 A-3 E-5 D-3 C-3 C-3	RV500 RV501 RV502 RV700 RV701 RV702 RV703	F-1 F-1 D-1 A-1 B-1 B-1		
IC101 IC102 IC103	P-3 M-3 M-2	IC714 IC715 IC716	A-4 D-2 A-3	S500 TH400	J-1 R-5		
IC200 IC203 IC303 IC301 IC302 IC303 IC306 IC307 IC308 IC309 IC310 IC400	P-3 M-3 P-1 P-2 R-1 M-2 N-2 M-2 R-2 P R-2 P N-5	IC717 IC718 IC719 IC720 IC721 IC722 IC723 IC724 IC725 IC726 IC727 IC728		*TH701 P  TP100 TP101 TP200 TP201 TP300 TP301 TP303 TP400 TP401 TP402 TP500 TP501 TP502	A-1 R-3 N-3 R-3 N-3 R-1 P-2 P-2 M-5 N-4 N-4 E-1 E-1		
IC402 IC403	R-5	#Q100	R-3	TP700 TP701	C-5 C-4		

#: B SIDE N: UVW-1800/1600 ONLY P: UVW-1800P/1600P ONLY △: 1-648-901-11 ONLY ○: 1-648-901-12 ONLY

### TBC-25/25P; TIME BASE CORRECTOR, CTDM(EXPAND)



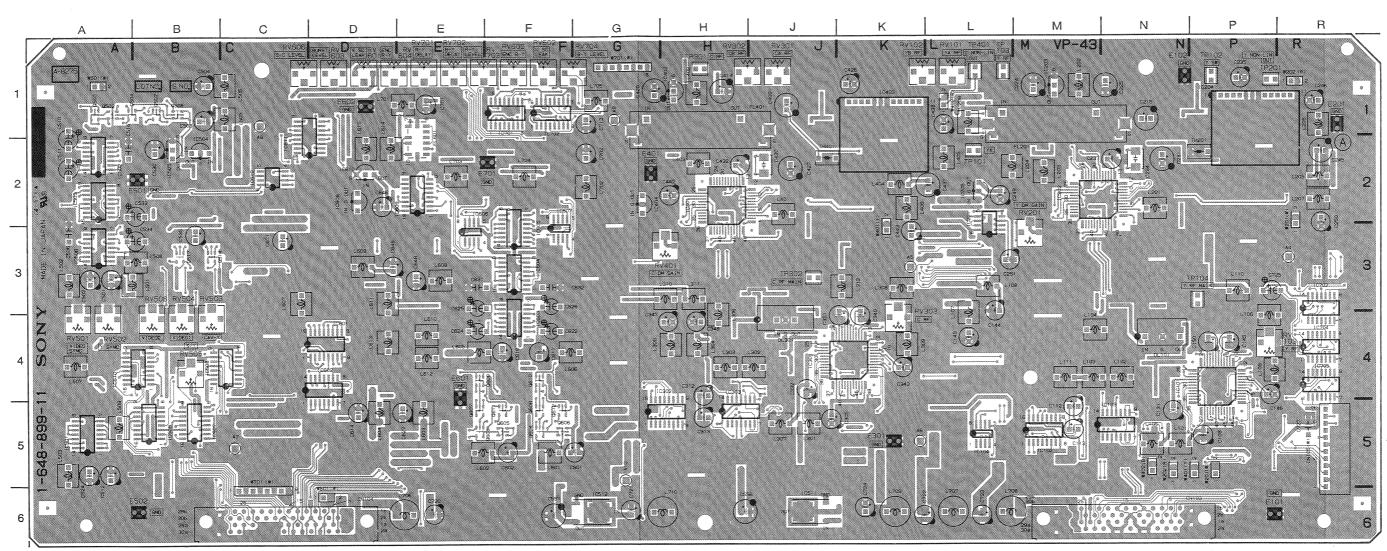
TBC-25 1-648-901-11, 12 B SIDE

TBC-25 (1-648-901-11, 12)
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CN1 CN2 CN105 CN106		IC404 IC405 IC406 IC407	R-4 R-4 M-5 N-4	#Q101 #Q102 #Q103 #Q104	R-3 P-3 P-3 R-3	TP702 TP703 TP704	C- C-
CV700 CV701	C-2 C-2	O IC408 IC501	M-4 N N-5 L-2	#Q200 #Q201 #Q202	R-3 R-3 P-3	X700 X701	C-
*D1 *D2 *D100 *D101 *D102 *D301 *D302 *D303 *D303 *D305 *D401 *D402 *D403 *D404 *D502 *D503 *D504 *D506 *D506 **D506 **D506 **D506 **D701 **D702 **D703	M-2 M-3 N-3 R-3 N-2 R-2 R-2 R-2 P-4 M-4 K-2 G-1 M-5 P M-5 C-2 C-2	IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC509 IC511 IC511 IC512 IC513 IC514 IC515 IC516 IC516 IC517 IC518 IC519 IC520 IC521 IC522 IC523 IC524 IC525 IC524 IC525 IC526 IC526 IC527 IC527 IC527 IC527 IC527 IC527 IC527 IC527	L-4 J-2 4-2 3-6 4-3 6-1 -1 3-2 1-1 -1 3-2 2-2 1-2 4-3 3-3 3-3 1-3 1-3 2-2 2-1 2-2 4-3 3-3 3-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	#Q203 #Q300 #Q301 #Q302 #Q303 #Q304 #Q305 #Q306 #Q400 #Q401 #Q402 #Q403 #Q404 #Q405 #Q406 #Q407 #Q500 #Q500 #Q500 #Q700 #Q700 #Q702 #Q703 #Q704 #Q706	P-3 P-1 P-1-1 P-1-2 P-5-5 P-5-5 P-5-5 P-5-5 P-5-5 P-5-5 P-5-5 P-1-1 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-2 P-1-3 P-1-		
E200 E300 E400 E500 E501 E700 E701	N-3 M-1 R-5 D-1 J-3 E-4 B-2	IC529 IC530 IC531 IC532 IC533 IC534 IC700	N F-2 N G-2 N G-2 N G-2 N G-1 N G-1 A-2	#Q707 #Q708 #Q709 #Q710 #Q711	C-5 B-5 D-5 D-5 D-5 R-3		
FL500 FL501 FL502	F-2 E-1 D-1	IC701 IC702 IC703 IC704 IC705	A-1 A-2 C-4 A-2 A-3	RV200 RV300 RV301 RV400 RV401	R-3 M-1 N-1 P-1 P-5		
IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC100	M-2 M-3 L-1 L-4 E-6 L-1 L-5 P-3 P-3	IC706 IC707 IC708 IC709 IC710 IC711 IC712 IC713 IC714	D-4 E-5 F-5 A-3 E-5 D-3 C-3 A-4	RV500 RV501 RV502 RV700 RV701 RV702 RV703	F-1 F-1 D-1 A-1 B-1 B-1 B-1		
IC102 IC103 IC200	M-3 M-2 P-3	IC715 IC716 IC717	D-2 A-3 A-5	TH400 O <b>*</b> TH701 P	R-5		
IC203 IC300 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC310 IC400 IC401 IC402 IC403	N-2 R-5 N-5 R-5	IC718 IC719 IC720 IC721 IC722 IC723 IC724 IC725 IC726 IC727 IC728 LV300 LV400		TP100 TP101 TP200 TP201 TP300 TP301 TP303 TP400 TP401 TP402 TP500 TP501 TP502 TP700 TP701	R-3 N-3 R-3 N-3 R-1 P-2 P-2 M-5 N-4 N-4 E-1 E-1 C-5 C-4		

# : B SIDE N : UVW-1800/1600 ONLY P : UVW-1800P/1600P ONLY △ : 1-648-901-11 ONLY ○ : 1-648-901-12 ONLY

# VP-43/43A/43P/43AP; Y/C PB PROCESS(PB RF EQ, DEMOD., Y-RF ENVELOPE DET), VIDEO OUTPUT DRIVER, ENCODE, SYNC/CHARA MIX

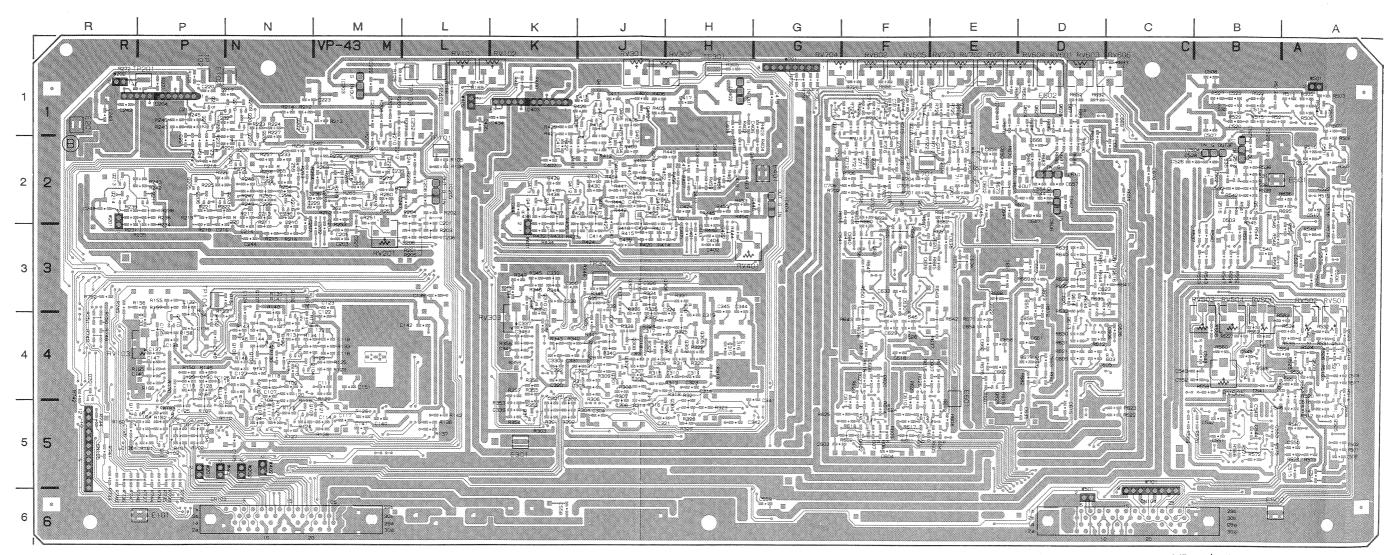


VP-43/43A 1-648-899-11, 12 A SIDE

VP-43/43A(1-	648-899-	11, 12)					
CN103 CN104 CN105	N-6 C-6 R-5	IC702 IC703 IC704 IC705	F-1 R-4 R-4 R-4	Q508 #Q509 #Q510 #Q511	B-1 A-4 A-4 A-4	RV701 RV702 RV703 RV704	E-1 E-1 E-1 G-1
DL101 DL301	N-4 J-4	#Q101 #Q102	N-5 N-4	<b>*</b> Q512 <b>*</b> Q513 Q514	A-4 B-2 B-3	TH201 TH401	P-2
*D201 *D401 *D501 *D502	N-2 J-2 A-2 B-2	#Q102 #Q103 #Q104 #Q105 #Q106	N-5 N-4 N-4 N-3	#Q515 #Q516 Q517 #Q601	B-2 B-2 B-3 F-5	© TH601 ● <b>*</b> TH601	J-2 D-2 D-1
#D503 #D504	B-3 B-4	#Q107 #Q108	N-3 N-4	#Q602 Q603	F-5 E-5	TP101 TP102	L-2 P-1
*D601 △*D602 *D701	D-2 E-2 R-4	#Q109 #Q110 #Q111 #Q112	N-4 P-4 P-5 P-5	Q604 Q605 Q606 Q607	F-5 F-5 F-5 E-5	TP103 TP104 TP201 TP301	L-1 P-3 P-1 H-1
E101 E102 E201 E301	P-6 N-1 R-1 K-5	#Q201 #Q202 #Q203 #Q204	M-2 N-1 P-2 N-2	Q608 Q609 Q610 Q611	F-5 E-4 F-4 F-5	TP302 TP401	J-3 L-1
E401 E501 E502 E601	G-2 B-2 B-6 E-4	*Q205 *Q206 *Q207 *Q208	P-2 P-2 N-2 N-1	Q612 #Q613 #Q614 #Q615	F-5 D-4 D-3 D-3		
E602 E701	D-1 F-2	#Q209 #Q210 #Q211	N-1 N-1 P-2	#Q616 #Q617 #Q618	C-3 C-3 F-2		
FL201 FL401 FL601	M-1 H-1 E-2	*Q212 *Q213 *Q214 *Q215	P-1 R-2 R-2 P-1	*Q619 *Q620 *Q621 *Q622	F-2 F-3 F-3 E-3		
IC101 IC102 IC103 IC104	P-4 M-5 N-5 L-5	#Q216 #Q217 #Q218 #Q219	N-2 M-2 M-2 M-2	*Q623 *Q624 *Q625 *Q626	D-3 D-1 E-4 D-4		
IC201 IC202 IC203 IC204	L-3 M-2 M-1 P-1	#Q220 #Q301 #Q302 #Q303	M-2 J-4 J-4 H-4	*Q627 *Q628 *Q701 *Q702	D-1 D-1 E-2 F-2		
IC205 IC301 IC302	L-2 K-4 G-5	# Q304 # Q305 # Q306	H-5 H-4 H-3	#Q703 #Q704 #Q705	E-2 F-2 E-2		
IC303 IC401 IC402 IC403	H-5 H-2 H-1 K-1	*Q307 *Q308 *Q309 *Q310	J-3 J-4 J-4 K-3	#Q706 #Q707 #Q708 #Q709	F-2 E-1 F-1 F-2		
IC404 IC501 IC502 IC503	G-2 A-5 A-2 A-2	#Q311 #Q401 #Q402 #Q403	K-5 H-2 J-1 J-1	#Q710 #Q711 #Q712 #Q713	F-1 F-2 F-2 F-1		
IC504 IC505 IC506	B-2 B-2 A-3	#Q404 #Q405 #Q406	J-2 J-1 J-1	<b>#</b> Q714 RV101	E-1 L-1		
IC507 IC508 IC509 IC510	B-5 C-4 B-5 B-4	*Q407 *Q408 *Q409 *Q410	J-1 J-1 J-2 J-1	RV102 RV103 RV201 RV301	K-1 P-4 M-3 J-1		
IC511 IC512 IC601 IC602	J-6 G-6 D-4 D-4	*Q411 *Q412 *Q413 *Q414	J-2 J-2 K-2 K-2	RV302 RV303 RV401 RV501	H-1 K-4 H-3 A-4		
IC603 IC604 IC605 IC606	F-4 F-3 F-3 E-3	* Q415 * Q416 * Q417 * Q418	K-2 J-2 H-2 H-2	RV502 RV503 RV504 RV505	A-4 B-4 B-4 B-4		
IC607 IC608 IC609	F-3 D-2 E-2	#Q501 Q502 Q503	A-1 A-1 A-1	RV506 RV601 RV602	B-4 D-1 F-1		
IC610 IC611 IC612 IC701	D-2 D-2 C-2 F-1	Q504 # Q505 # Q506 Q507	A-1 A-5 A-4 B-1	RV603 RV604 RV605 RV606	D-1 D-1 F-1 C-1		

#: B SIDE : UVW-1800/1800P ONLY N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY ○: UVW-1800 (1-648-899-12) ONLY •: UVW-1800P/1600/1600P (1-648-899-12) ONLY

# VP-43/43A/43P/43AP; Y/C PB PROCESS(PB RF EQ, DEMOD., Y-RF ENVELOPE DET), VIDEO OUTPUT DRIVER, ENCODE, SYNC/CHARA MIX

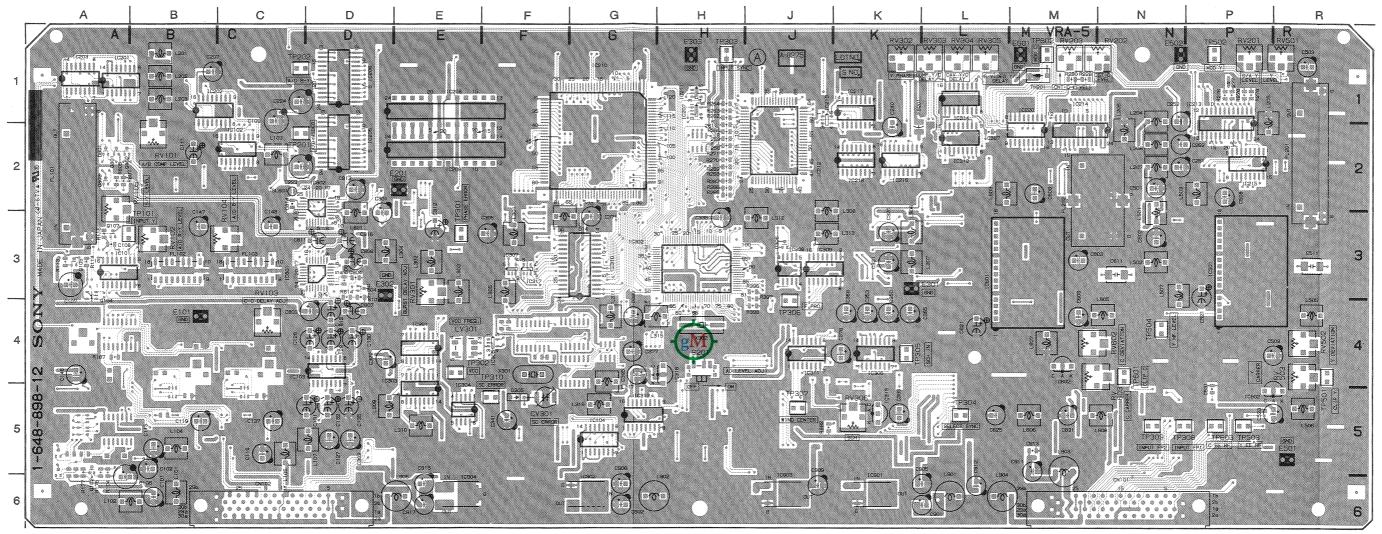


VP-43/43A 1-648-899-11, 12 B SIDE

VP-43/43A(1	-648-899	-11, 12)					
CN103 CN104 CN105	N-6 C-6 R-5	IC702 IC703 IC704 IC705	F-1 R-4 R-4 R-4	Q508 #Q509 #Q510 #Q511	B-1 A-4 A-4 A-4	RV701 RV702 RV703 RV704	E- E- G-
DL101 DL301	N-4 J-4	#Q101	N-5	#Q512 #Q513	A-4 B-2	TH201	P-:
*D201 *D401 *D501 *D502 *D503 *D504 *D601 △ *D602 *D701	N-2 J-2 A-2 B-3 B-4 D-2 E-2 R-4	*Q102 *Q103 *Q104 *Q105 *Q106 *Q107 *Q108 *Q109 *Q110 *Q111 *Q112 *Q201	N-4 N-5 N-4 N-3 N-3 N-4 P-4 P-5 P-5 M-2	Q514 #Q515 #Q516 Q517 #Q601 #Q602 Q603 Q604 Q605 Q606 Q607 Q608	B-3 B-2 B-3 F-5 F-5 F-5 F-5 F-5 F-5	TH401  TH601 TP101 TP102 TP103 TP104 TP201 TP201 TP301 TP302	J-2 D-1 D-1 L-2 P-1 P-1 P-1 J-3
E102 E201 E301 E401 E501 E502 E601 E602 E701	N-1 R-1 K-5 G-2 B-2 B-6 E-4 D-1 F-2	*Q202 *Q203 *Q204 *Q205 *Q206 *Q207 *Q208 *Q209 *Q210 *Q211	N-1 P-2 N-2 P-2 N-2 N-1 N-1 N-1	Q609 Q610 Q611 Q612 *Q613 *Q614 *Q615 *Q616 *Q617	E-4 F-5 F-5 D-4 D-3 C-3 C-3 F-2	TP401	L-1
FL201 FL401 FL601	M-1 H-1 E-2	*Q212 *Q213 *Q214	P-1 R-2 R-2	#Q619 #Q620 #Q621	F-2 F-3 F-3		
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC204 IC205 IC301 IC302 IC303 IC401 IC402 IC403 IC404 IC501 IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC508 IC508	P.4-5-5-5-2-2-1-1-1-2-5-2-2-2-3-5-4-6-4-5-4-6-4-5-5-4-6-4-5-5-4-6-4-5-6-4-6-4	# Q215 # Q216 # Q217 # Q2218 # Q229 # Q301 # Q302 # Q303 # Q304 # Q305 # Q306 # Q307 # Q308 # Q301 # Q311 # Q401 # Q402 # Q403 # Q404 # Q405 # Q406 # Q408 # Q409 # Q409 # Q410 # Q410	P-1 N-2 M-2 M-2 J-4 H-5 H-3 J-4 J-1 J-1 J-1 J-1 J-1 J-1 J-1 J-2 J-2 J-2 J-2	#Q622 #Q623 #Q624 #Q625 #Q626 #Q627 #Q628 #Q701 #Q702 #Q703 #Q706 #Q707 #Q706 #Q709 #Q710 #Q711 #Q713 #Q714 RV101 RV102 RV103 RV201 RV301 RV302	E-3 D-3 D-4 D-4 D-1 D-2 E-2 E-2 E-2 E-1 F-2 F-1 L-1 P-4 M-3 J-1		
IC512 IC601 IC602 IC603 IC604 IC605 IC606 IC607 IC608 IC609 IC610 IC611 IC612 IC701	G-6 D-4 D-4 F-3 F-3 E-2 D-2 D-2 C-2 F-1	*Q412 *Q413 *Q413 *Q415 *Q416 *Q417 *Q418 *Q501 Q502 Q503 Q504 *Q505 *Q506 Q507	J-2 K-2 K-2 K-2 J-2 H-2 A-1 A-1 A-1 A-5 A-4 B-1	RV303 RV401 RV501 RV502 RV503 RV504 RV505 RV506 RV601 RV602 RV603 RV604 RV605 RV606	H-3 A-4 A-4 B-4 B-4 B-4 D-1 F-1 D-1 F-1 C-1		

**\***: B SIDE : UVW-1800/1800P ONLY N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY ©: UVW-1800 (1-648-899-12) ONLY •: UVW-1800P/1600/1600P (1-648-899-12) ONLY

# VRA-5/5P; Y/C REC PROCESS(DECODE, MOD), CTDM(COMPAND)



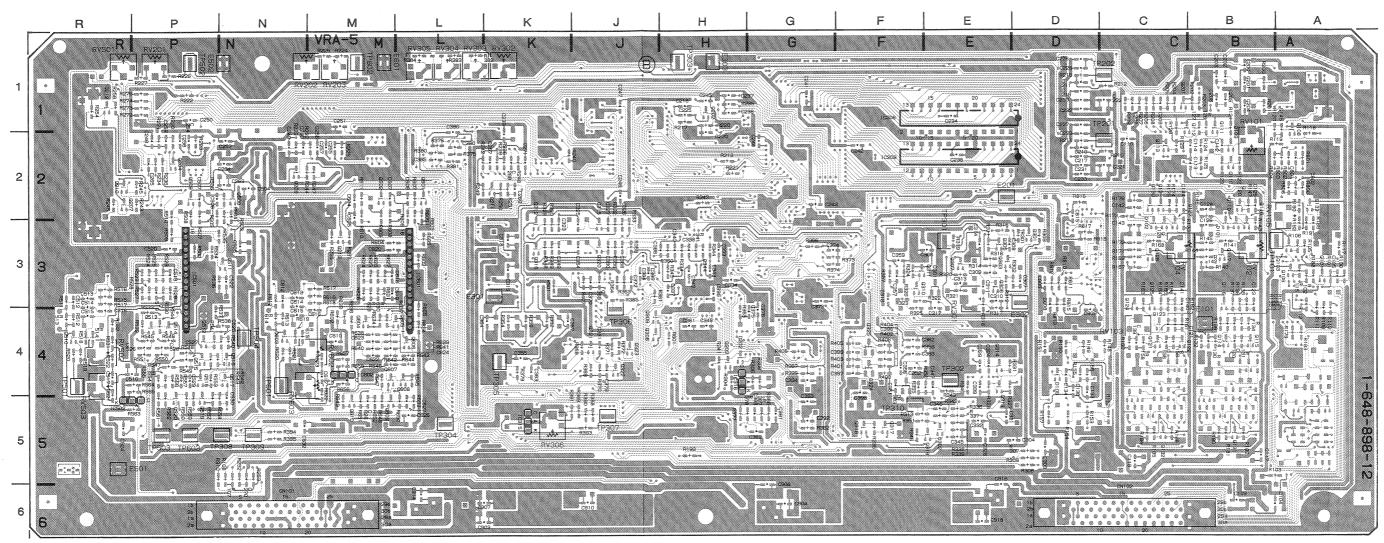
VRA-5 1-648-898-12 A SIDE

UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC) ; Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher

VRA-5 (1-	64	8-898-12)	)			
CN101 CN102		N-6 C-6	IC601 IC602	L-4 M-4	#Q325 #Q508	F-4 N-2
CV301		F-5	IC801 IC802 IC901	N D-3 N D-2 K-6	#Q509 #Q510 #Q511	P-2 R-4 N-3
*D101 *D102 *D109 *D202 *D301		B-3 C-3 D-4 H-4 E-3	IC901 IC902 IC903 IC904	G-6 J-6 E-6	#Q511 #Q512 #Q513 #Q514 #Q515 #Q516	P-4 P-4 P-4 P-4 N-4
*D302 *D303 D305 D306 *D307	P P N	F-4 F-4 F-5 J-3 E-3 A-2	*Q101 Q102 *Q103 Q104 Q105	A-3 A-5 A-3 A-3 A-3	*Q517 *Q518 *Q519 *Q520 *Q601 *Q602	N-4 P-4 P-5 P-5 L-2 M-2
E101 E201 E301 E302 E303 E501 E502 E601		B-4 E-2 K-3 D-3 H-1 R-5 N-1	*Q106 Q107 *Q108 *Q109 *Q110 *Q111 *Q112 *Q113 *Q114 *Q115	A-3 A-3 A-1 B-2 B-2 B-1 C-1 C-2 B-4 B-4	*Q603 *Q604 *Q605 *Q606 *Q607 *Q608 *Q609 *Q610 Q801 N Q802 N	N-4 M-4 L-4 M-4 L-4 M-5 M-5 A-2 A-2
FB201		K-2	#Q116 #Q117	B-3 B-3	Q803 N Q804 N	A-2 A-2 D-3
FL101 FL102 FL103 FL201 FL202		A-2 B-3 C-3 R-2 N-2	*Q118 *Q119 *Q120 *Q121 *Q122	B-3 B-3 B-2 C-4 C-4 C-4	RV101 RV102 RV103 RV104	B-2 B-3 C-4 C-3
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC205 IC206 IC207 IC208 IC209 IC210 IC210		A-3 C-2 D-4 G-5 A-1 B-1 D-2 D-1 H-1 E-2 G-2 J-2	#Q123 #Q124 #Q125 #Q126 #Q127 #Q128 #Q130 #Q131 #Q132 #Q133 #Q203 #Q203 #Q203 #Q204 #Q204	C-3 C-3 C-3 C-2 C-2 C-2 B-5 C-2 C-1 H-4 P-2	RV105 RV201 RV202 RV203 RV301 RV302 RV303 RV304 RV305 RV306 RV501 RV502 RV503 RV602 RV603	A-2 P-1 N-1 E-3 K-1 L-1 L-1 K-5 R-1 R-4 M-4 M-4
IC212 IC213 IC214		D-2 P-1 N-1	#Q207 #Q209 #Q210	N-2 R-2	S201	H-4
IC215 IC216		P-2 K-2	<b>#</b> Q211 <b>#</b> Q212	K-2 R-1	TH201 N	
IC217 IC218	N	: KK-2 J-1-1-1-4-3 MEH-E-E-F-KF-3-3-3-4-2-5-1-5-4-3-4-5-1-5-4-5-4-5-1-5-4-5-4-5-1-5-4-5-4-5	*Q213 *Q301 *Q303 *Q305 *Q306 *Q306 *Q307 *Q310 *Q311 *Q311 *Q312 *Q313 *Q314 *Q316 *Q316 *Q318 *Q318 *Q318 *Q320 *Q323 *Q323	.M-3 D-3 D-3 D-3 D-3 D-4 D-3 D-4 D-5 D-5 D-5 D-4 D-4 D-4 D-4 D-4 D-4 D-4 D-4 D-4 D-4	TP101 TP201 TP201 TP202 TP301 TP302 TP303 TP304 TP305 TP306 TP307 TP308 TP309 TP310 TP501 TP501 TP503 TP504 TP601 TP602 TP603 X301 X302	A-3 C-2 C-1 E-3 H-1 L-5 K-4 J-4 J-5 N-5 F-5 N-4 N-4 P-5 N-4 H-1 P-5 H-4

#: B SIDE N: UVW-1800 ONLY P: UVW-1800P ONLY

# VRA-5/5P; Y/C REC PROCESS(DECODE, MOD), CTDM(COMPAND)



VRA-5 1-648-898-12 B SIDE

UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC) ; Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher

VRA-5 (1-	648-898-1	2)			
CN101 CN102	N-6 C-6	IC601 IC602	L-4 M-4		-4  -2
CV301	F-5	IC802 N	I D-3 I D-2 K-6	<b>#</b> Q510 R	-2  -4
*D101 *D102 *D109 *D202	B-3 C-3 D-4 H-4	IC901 IC902 IC903 IC904	G-6 J-6 E-6	*Q512 P *Q513 P *Q514 P *Q515 P	-4 -4 -4 -4
#D303 D305 D306 #D307	E-3 P F-4 F-5 J-3 P E-3 N A-2	#Q101 Q102 #Q103 Q104 Q105	E-4 A-3 A-5 A-3 A-3	*Q517 N *Q518 P *Q519 P *Q520 P *Q601 L	-4  -4  -5  -2
E101 E201 E301 E302 E303 E501 E502 E601	B-4 E-2 K-3 D-3 H-1 R-5 N-1	#Q106 Q107 #Q108 #Q109 #Q110 #Q111 #Q112 #Q113 #Q114 #Q115	A-3 A-1 B-2 B-2 B-1 C-1 C-2 B-4	#Q604 M #Q605 M #Q606 L #Q607 M #Q608 L #Q609 M #Q610 M Q801 N A	-4 -4 -4 -5 -2 -2
FB201	K-2	#Q116 #Q117	B-3 B-3	Q803 N A	-2 -3
FL101 FL102 FL103 FL201 FL202	A-2 B-3 C-3 R-2 N-2	#Q118 #Q119 #Q120 #Q121 #Q122	B-3 B-3 B-2 C-4 C-4 C-4	RV102 B RV103 C RV104 C	-2 -3 -4 -3
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC205 IC206 IC207 IC208 IC209 IC210 IC211	A-3 C-2 D-4 G-5 A-1 B-1 D-2 D-1 H-1 E-2 G-2 H-1	#Q123 #Q124 #Q125 #Q126 #Q127 #Q128 #Q130 #Q131 #Q132 #Q133 #Q133 #Q201 #Q202 #Q203 #Q204 #Q207	C-4 C-3 3 3 3 2 2 2 5 5 5 2 1 1 4 4 2 2 4 P P P 2	RV201 P RV202 N RV203 M RV301 E RV302 K RV303 L RV304 L RV305 L RV306 K RV501 R RV502 R RV503 R RV502 R	-2 -1 -1 -3 -1 -1 -5 -1 -4 -4 -4 -4
IC213 IC214	P-1 N-1	#Q209 #Q210	N-2 R-2		-4
IC215 IC216 IC217	P-2 K-2 N K-2	#Q211 #Q212 #Q213	K-2 R-1 M-3	TP101 A	-1 -3
IC218 IC219 IC220 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC310 IC311 IC311 IC312 IC313 IC314 IC315 IC316 IC316 IC317 IC316	N MEH-4-5-4-4-5-3-3-3-4-2-5-1-5-4-3-4-5-4-4-3-3-3-3-4-2-5-1-5-4-3-4-5-4-4-3-4-5-4-4-3-4-4-3-4-4-3-4-4-3-4-3	#Q301 #Q303 #Q305 #Q306 #Q307 #Q308 #Q310 #Q311 #Q312 #Q313 #Q314 #Q316 #Q316 #Q316 #Q317 #Q317 #Q317 #Q320 #Q320 #Q320	D-3 9-3 9-3 9-4 1-3 9-5 1-5 1-5 1-5 1-5 1-5 1-5 1-4 1-4 1-4 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5	TP201 C TP202 C TP301 E TP302 E TP303 H TP304 L- TP306 J- TP306 J- TP307 TP308 N TP309 N TP310 F TP501 R TP501 R TP502 P TP503 P TP503 P TP504 N TP601 N TP601 N TP602 M TP603 P X301 F-	2134154455554154415
IC502	R-5	<b>₩</b> Q324	F-4	X302 H	-4

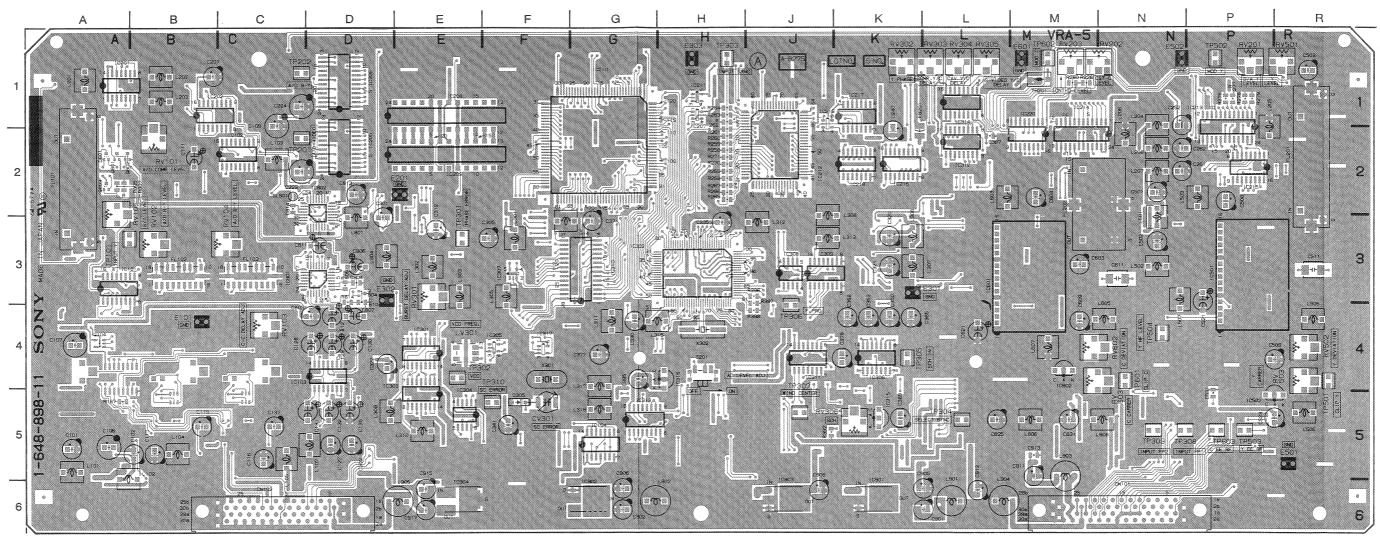
UVW-1800/1600 UVW-1800P/1600P

#: B SIDE N: UVW-1800 ONLY P: UVW-1800P ONLY

15-44 (b2)

15-44 (b2)

# VRA-5/5P; Y/C REC PROCESS(DECODE, MOD), CTDM(COMPAND)



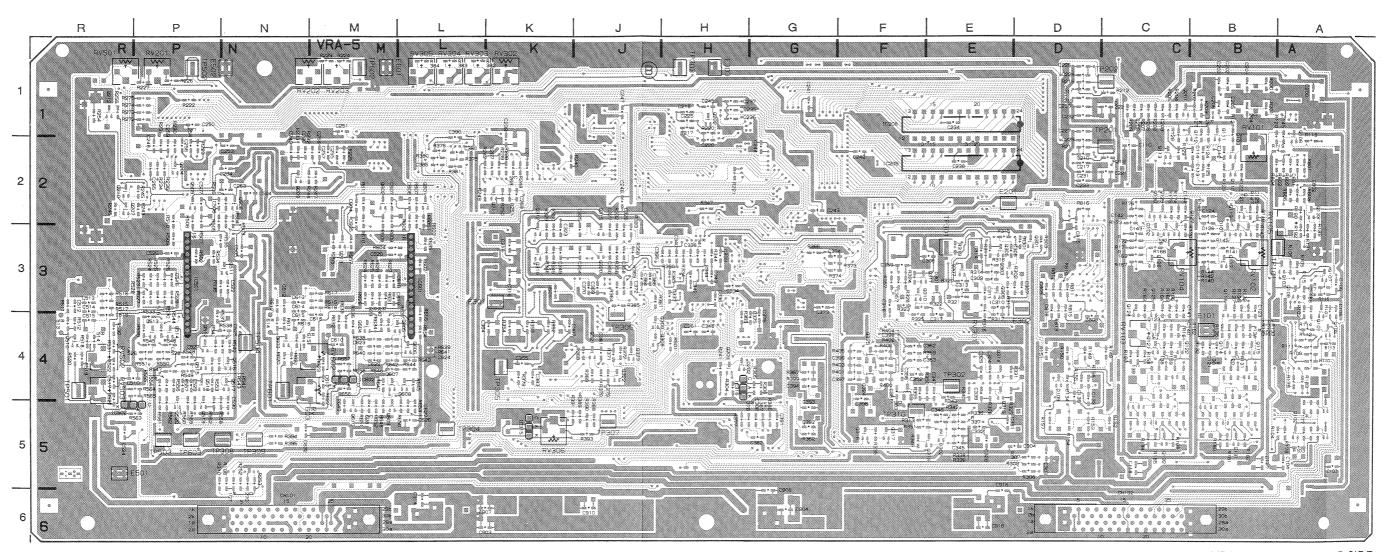
VRA-5 1-648-898-11 A SIDE

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140

VRA-5 (1-648-898-11)						
CN101	N-6					
CN102	C-6					

VDA-5 (1-64	0-090-11)				
CN101	N-6	IC801 N	D-3	<b>*</b> Q509	P-2
CN102	C-6	IC802 N	D-2	<b>*</b> Q510	R-4
CV301	F-5	IC901 IC902	K-6 G-6	<b>*</b> Q511 <b>*</b> Q512	N-3 P-4
*D101 *D102	B-3 C-3	IC903 IC904	J-6 E-6	*Q513 *Q514 *Q515	P-4 P-4 P-4
*D109 *D202 *D301	D-4 H-4 E-3	LV301 #Q101	E-4 A-3	#Q516 #Q517 #Q518	N-4 N-4 P-4
*D302 P	F-4	#Q102	A-5	#Q519	P-5
*D303	F-4	#Q103	A-3	#Q520	P-5
D305	F-5	Q104	A-4	#Q601	L-2
D306 P	J-3	#Q105	A-4	#Q602	M-2
D801 N	A-2	<b>#</b> Q106	A-3	#Q603	N-4
E101	B-4	#Q107 #Q108	A-3 A-1	*Q604 *Q605	M-4 M-4
E201	E-2	#Q109	B-2	<b>*</b> Q606	L-4
E301	K-3	#Q110	B-2	<b>*</b> Q607	M-4
E302	D-3	#Q111	B-1	#Q608	L-4
E303	H-1	#Q112	C-1	#Q609	M-5
E501	R-5	<b>*</b> Q113	C-2	#Q610	M-5
E502	N-1	<b>*</b> Q114	B-4	Q801 N	A-2
E601	M-1	<b>#</b> Q115 <b>#</b> Q116	B-4 B-3	Q802 N Q803 N	A-2 A-2
FB201	K-2	<b>#</b> Q117 <b>#</b> Q118	B-3 B-3	Q804 N	D-3
FL101	A-2	#Q119	B-3	RV101	B-2
FL102	B-3	#Q120	B-2	RV102	B-3
FL103	C-3	*Q121	C-4	RV103	C-4
FL201	R-2	*Q122	C-4	RV104	C-3
FL202	N-2	*Q123 *Q124	C-4	RV105	A-2
IC101	A-3	<b>#</b> Q125	C-3 C-3	RV201 RV202	P-1 N-1
IC102	C-2	#Q126	C-3	RV203	M-1
IC103	D-4	#Q127	C-3	RV301	E-3
IC104	G-5	<b>*</b> Q128	C-3	RV302	K-1
IC201	A-1	<b>*</b> Q129	C-2	RV303	L-1
IC202	B-1	#Q130	C-2	RV304	L-1
IC205	D-2	#Q131	B-5	RV305	L-1
IC206	D-1	#Q132	C-5	RV306	K-5
IC207	H-1	#Q133	A-2	RV501	R-1
IC208	E-2	#Q201	C-1	RV502	R-4
IC209	E-2	#Q202	H-1	RV503	R-4
IC210	G-2	#Q203	H-4	RV602	M-4
IC211	H-1	#Q204	P-2	RV603	M-4
IC212 IC213	J-2 P-1	# Q207 # Q209	R-2 N-2	S201	H-4
IC214 IC215	N-1 P-2	#Q210 #Q211	R-2 K-2	TH201	M-1
IC216 IC217 N	K-2 K-2	#Q212 #Q213	R-1 M-3	TP101	A-3
IC218	K-2	#Q301	D-3	TP201	C-2
IC219 N	J-1	#Q303	E-3	TP202	C-1
IC220	M-1	#Q305	E-3	TP301	E-3
IC301	E-4	#Q306	E-3	TP302	E-4
IC302	H-3	#Q307	E-3	TP303	H-1
IC303	E-4	#Q308	J-4	TP304	L-5
IC304	E-5 F-4	<b>#</b> Q309	J-4 F-3	TP305 TP306	K-4 J-4
IC305 IC306	K-4	#Q310 #Q311	F-3	TP307	J-5
IC307	F-3	#Q312	K-3	TP308	N-5
IC308	J-3	#Q313	E-4	TP309	N-5
IC309	J-3	#Q314	E-4	TP310	F-5
IC310	G-3	#Q315	J-3	TP501	R-4
IC311	J-4	<b>#</b> Q316	F-5	TP502	P-1
IC312	L-2	<b>#</b> Q317	F-5	TP503	P-5
IC313	G-5	#Q318	E-5	TP504	N-4
IC314	L <i>-</i> 1	#Q319	K-3	TP601	N-4
IC315	K-5	#Q320	J-3	TP602	M-1
IC316	H-4	#Q321	J-4	TP603	P-5
IC317 IC501	F-4 P-4	#Q322 #Q323	J-4 J-4	X301	F-4
IC502 IC601	R-5 L-4	<b>*</b> Q324 <b>*</b> Q325	F-4 F-4	X302	H-4
IC602	M-4	#Q508	N-2		

#: B SIDE N: UVW-1800 ONLY P: UVW-1800P ONLY



VRA-5 1-648-898-11 B SIDE

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140

VRA-5 (1-648-898-11)
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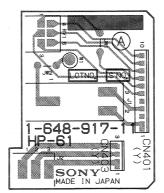
CN101	N-6	IC801 N	D-3	<b>#</b> Q509	P-2
CN102	C-6	IC802 N	D-2	<b>#</b> Q510	R-4
CV301	F-5	IC901 IC902	K-6 G-6	<b>*</b> Q511 <b>*</b> Q512	N-3 P-4
<b>*</b> D101	B-3	IC903 IC904	J-6 E-6	#Q513 #Q514	P-4 P-4
*D102 *D109	C-3 D-4	LV301	E-4	#Q515 #Q516	P-4 N-4
*D202 *D301	H-4 E-3	<b>#</b> Q101	A-3	<b>#</b> Q517 <b>#</b> Q518	N-4 P-4
*D302 P	F-4	#Q102	A-5	<b>*</b> Q519	P-5
*D303	F-4	#Q103	A-3	<b>*</b> Q520	P-5
D305	F-5	Q104	A-4	#Q601	L-2
D306 P	J-3	#Q105	A-4	#Q602	M-2
D801 N	A-2	#Q106	A-3 A-3	*Q603 *Q604	N-4 M-4
E101	B-4	#Q107 #Q108	<b>A-</b> 1	<b>*</b> Q605	M-4
E201	E-2	<b>#</b> Q109	B-2	#Q606	L-4
E301	K-3	<b>#</b> Q110	B-2	#Q607	M-4
E302	D-3	#Q111	B-1	*Q608	L-4
E303	H-1	#Q112	C-1	*Q609	M-5
E501	R-5	#Q113	C-2	#Q610	M-5
E502	N-1	#Q114	B-4	Q801 N	A-2
E601	M-1	<b>*</b> Q115 <b>*</b> Q116	B-4 B-3	Q802 N Q803 N	A-2 A-2
FB201	K-2	#Q117 #Q118	B-3 B-3	Q804 N	D-3
FL101	A-2	#Q119	B-3	RV101	B-2
FL102	B-3	#Q120	B-2	RV102	B-3
FL103	C-3	#Q121	C-4	RV103	C-4
FL201	R-2	#Q122	C-4	RV104	C-3
FL202	N-2	*Q123 *Q124	C-4 C-3	RV105 RV201	A-2 P-1
IC101	A-3	<b>*</b> Q125	C-3	RV202	N-1
IC102	C-2	<b>#</b> Q126	C-3	RV203	M-1
IC103	D-4	<b>#</b> Q127	C-3	RV301	E-3
IC104	G-5	#Q128	C-3	RV302	K-1
IC201	A-1	#Q129	C-2	RV303	L-1
IC202	B-1	#Q130	C-2	RV304	L-1
IC205	D-2	#Q131	B-5	RV305	L-1
IC206	D-1	#Q132	C-5	RV306	K-5
IC207	H-1	#Q133	A-2	RV501	R-1
IC208	E-2	#Q201	C-1	RV502	R-4
IC209	E-2	#Q202	H-1	RV503	R-4
IC210	G-2	#Q203	H-4	RV602	M-4
IC211		#Q204	P-2	RV603	M-4
IC212	H-1 J-2	#Q207	R-2		
IC213 IC214	P-1 N-1	#Q209 #Q210	N-2 R-2	S201	H-4
IC215 IC216	P-2 K-2	#Q211 #Q212	K-2 R-1	TH201	M-1
IC217 N	K-2	#Q213	M-3	TP101	A-3
IC218	K-2	#Q301	D-3	TP201	C-2
IC219 N	J-1	# Q303	E-3	TP202	C-1
IC220	M-1	# Q305	E-3	TP301	E-3
IC301	E-4	<b>#</b> Q306	E-3	TP302	E-4
IC302	H-3	<b>#</b> Q307	E-3	TP303	H-1
IC303	E-4	# Q308	J-4	TP304	L-5
IC304	E-5	# Q309	J-4	TP305	K-4
IC305	F-4	#Q310	F-3	TP306	J-4
IC306	K-4	#Q311	F-3	TP307	J-5
IC307	F-3	#Q312	K-3	TP308	N-5
IC308	J-3	#Q313	E-4	TP309	N-5
IC309	J-3	*Q314	E-4	TP310	F-5
IC310	G-3	*Q315	J-3	TP501	R-4
IC311	J-4	#Q316	F-5	TP502 TP503	P-1
IC312	L-2	#Q317	F-5	TP504	P-5
IC313	G-5	#Q318	E-5		N-4
IC314	L-1	#Q319	K-3	TP601	N-4
IC315	K-5	#Q320	J-3	TP602	M-1
IC316 IC317	H-4 F-4	#Q321 #Q322	J-4 J-4	TP603	P-5
IC501	P-4	<b>*</b> Q323	J-4	X301	F-4
IC502	R-5	<b>*</b> Q324	F-4	X302	H-4
IC601 IC602	L-4 M-4	#Q325 #Q508	F-4 N-2		

#: B SIDE N: UVW-1800 ONLY P: UVW-1800P ONLY

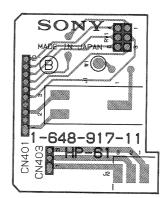
CL-25 ; CASSETTE LOADING BEGIN/NEAR-END SENSOR

HP-61 ; HEADPHONES JACK/VOLUME CONTROL HP-61A; HEADPHONES JACK/VOLUME CONTROL PC-62 ; CASSETTE IN/LARGE CASSETTE SENSOR

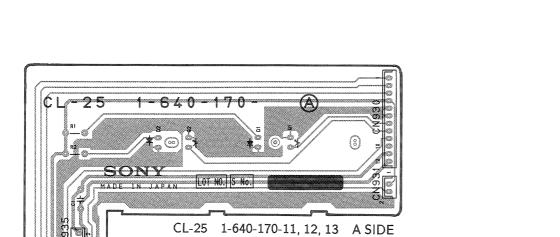
PD-35 ; PINCH SOLENOID

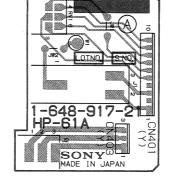


HP-61 1-648-917-11, 12 A SIDE

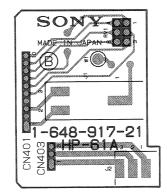


HP-61 1-648-917-11, 12 B SIDE

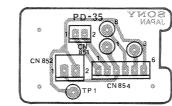


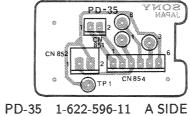


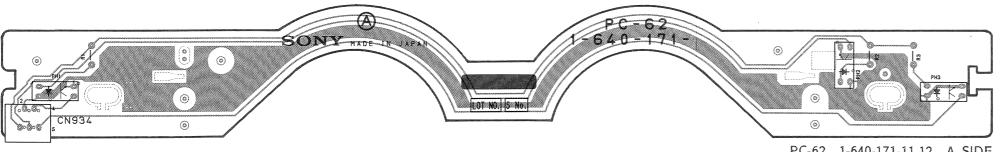
HP-61A 1-648-917-21 A SIDE



HP-61A 1-648-917-21 B SIDE







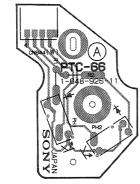
PC-62 1-640-171-11,12 A SIDE

PTC-67; THREADING FG/MOTOR

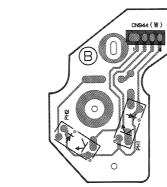
PTC-68; THREAD END/UNTHREAD END SENSOR

RM-126; S-REEL MOTOR RM-127; T-REEL MOTOR SE-207; REEL FG

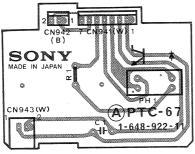
TR-84 ; S-TENSION SENSOR VR-155 ; AUDIO REC LEVEL



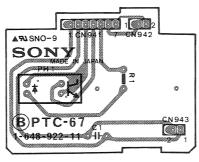
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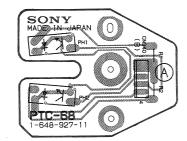
PTC-66 1-648-926-11, 12 B SIDE



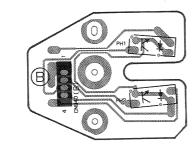
PTC-67 1-648-922-11 A SIDE



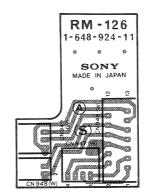
PTC-67 1-648-922-11 B SIDE



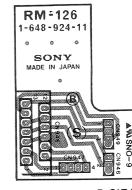
PTC-68 1-648-927-11, 12 A SIDE



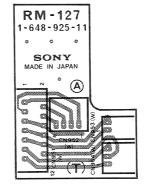
PTC-68 1-648-927-11, 12 B SIDE



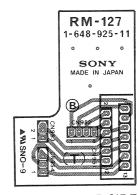
RM-126 1-648-924-11 A SIDE



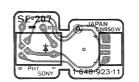
RM-126 1-648-924-11 B SIDE



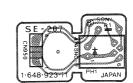
RM-127 1-648-925-11 A SIDE



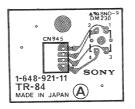
RM-127 1-648-925-11 B SIDE



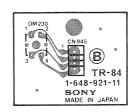
SE-207 1-648-923-11 A SIDE



SE-207 1-648-923-11 B SIDE



TR-84 1-648-921-11 A SIDE



TR-84 1-648-921-11 B SIDE

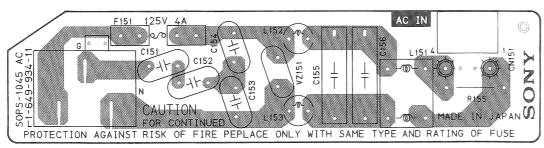


VR-155 1-648-916-11 A SIDE

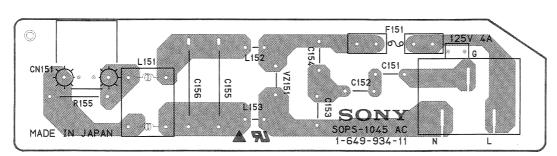


VR-155 1-648-916-11 B SIDE

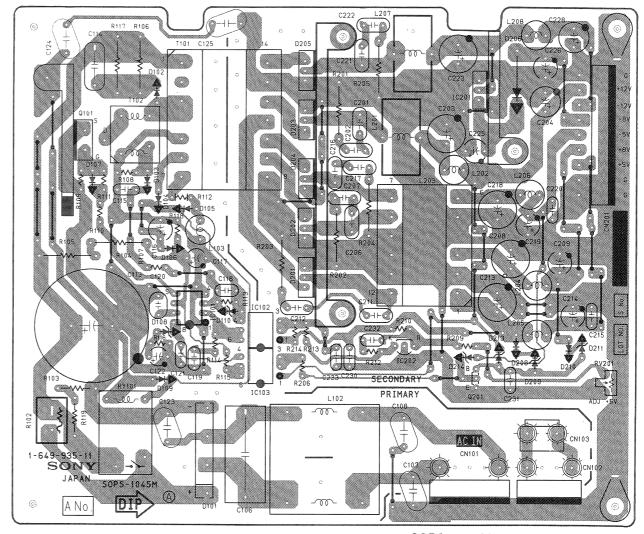
SOPS-1045AC; POWER SUPPLY(SWITCHING REGULATOR) (FOR J, UC) SOPS-1045M; POWER SUPPLY(SWITCHING REGULATOR) (FOR J, UC) SOPS-1046M; POWER SUPPLY(SWITCHING REGULATOR) (FOR EK)



SOPS-1045 AC 1-649-934-11 A SIDE



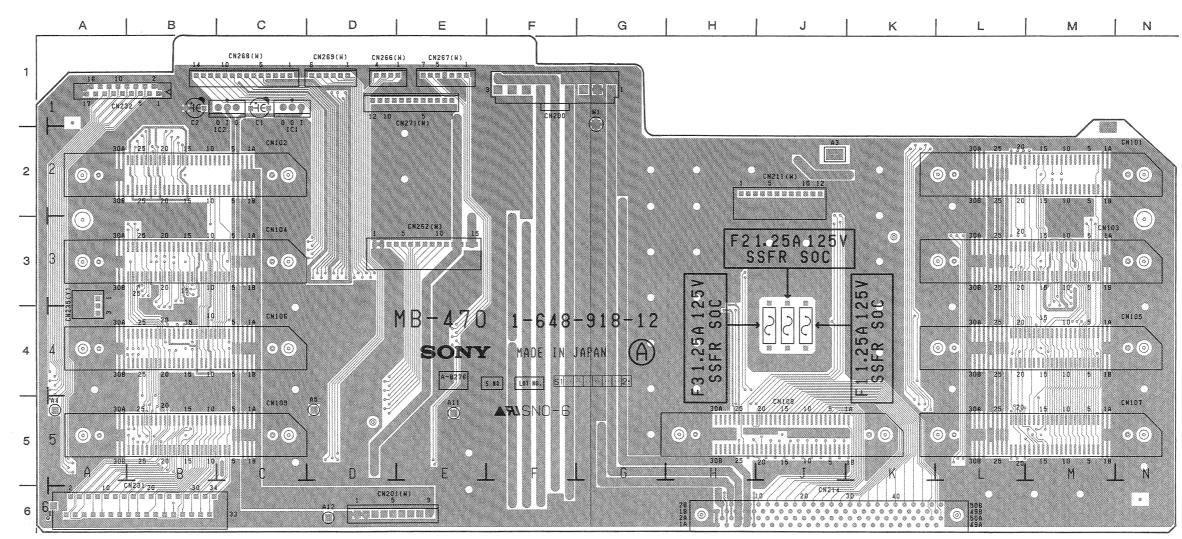
SOPS-1045 AC 1-649-934-11 B SIDE



SOPS-1045 M, SOPS-1046 M A SIDE

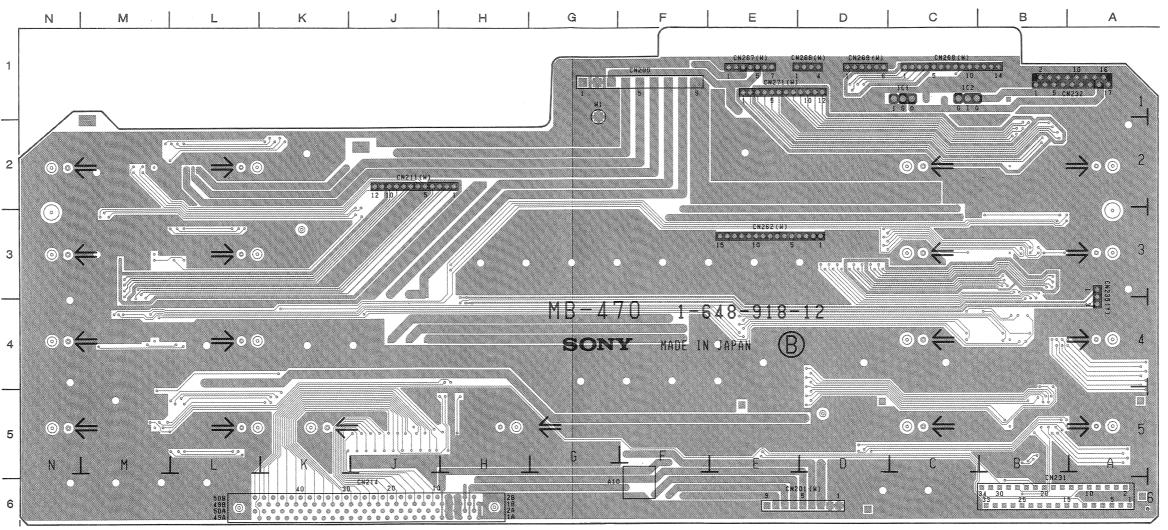
### MB-470 (1-648-918-12)

CN101 M-2
CN102 B-2
CN103 M-3
CN104 B-3
CN105 M-4
CN106 B-4
CN107 M-5
CN108 J-5
CN109 B-5
CN200 F-1
CN201 D-6
CN201 J-6
CN211 J-6
CN231 B-6
CN232 A-1
CN232 A-1
CN235 A-3
CN266 D-1
CN267 E-1
CN267 CN268 C-1
CN268 C-1
CN269 D-1
CN271 E-1
IC1 C-1
IC2 C-1



MB-470 1-648-918-12 A SIDE

UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC) ; Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher



MB-470 1-648-918-12 B SIDE

MB-470 (1-648-918-12)

CN101 CN102 CN103 CN104 CN105 CN106 CN107 CN108 CN200 CN201 CN211 CN214 CN231 CN232 CN232 CN266 CN266 CN266 CN268 CN268 CN269 CN271

IC1 IC2 C-1 C-1

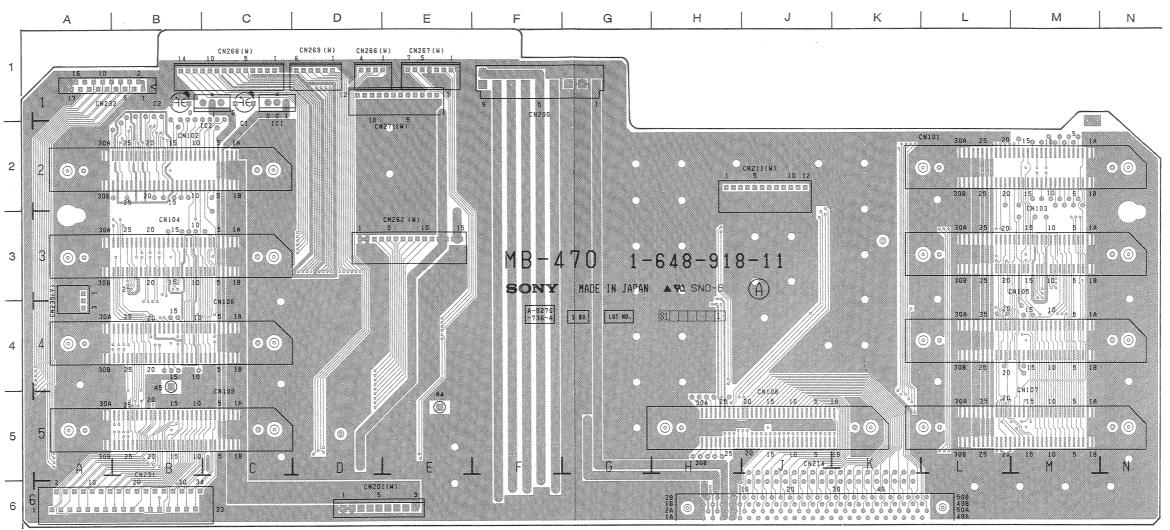
UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC) ; Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher

MB-470(1-648-918-11)

CN101 M-2
CN102 B-2
CN103 M-3
CN104 B-3
CN105 M-4
CN106 B-4
CN107 M-5
CN108 J-5
CN109 B-5
CN200 F-1
CN201 D-6
CN211 J-2
CN214 J-6
CN231 B-6
CN231 B-6
CN231 B-6
CN232 A-1
CN232 A-1
CN234 A-3
CN266 D-1
CN267 E-1
CN268 C-1
CN269 D-1
CN271 E-1

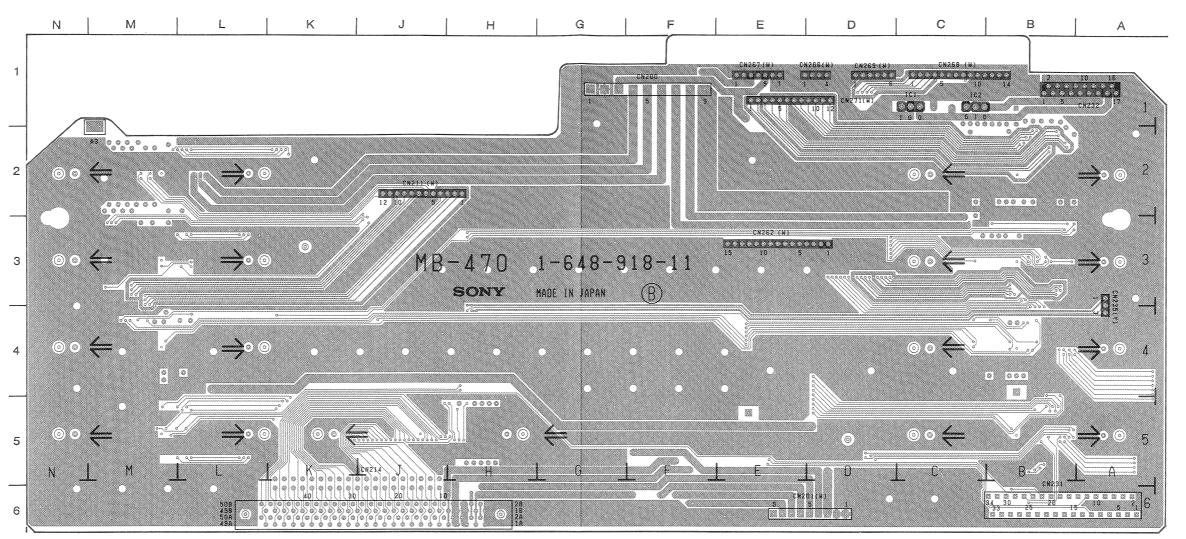
IC1 IC2

C-1 C-1



MB-470 1-648-918-11 A SIDE

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140



MB-470 1-648-918-11 B SIDE

MB-470(1-648-918-11)

CN101 CN102 CN103 CN104 CN105 CN106 CN106 CN109 CN200 CN201 CN211 CN211 CN211 CN232 CN235 CN266 CN266 CN266 CN268 CN268 CN268 CN268 CN268 CN271

IC1 IC2 M-2 B-3 B-3 B-4 B-5 J-5 B-1 B-1 B-1 B-1 C-1 E-1

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140

# MB-470A (1-648-918-22) CN103 M-3

CN103 M-3
CN104 B-3
CN105 M-4
CN106 B-4
CN107 M-5
CN108 J-5
CN200 F-1
CN201 D-6
CN211 J-6
CN211 J-6
CN231 B-6
CN232 A-1
CN232 A-1
CN235 A-3
CN266 D-1
CN267 E-1
CN268 C-1
CN269 D-1

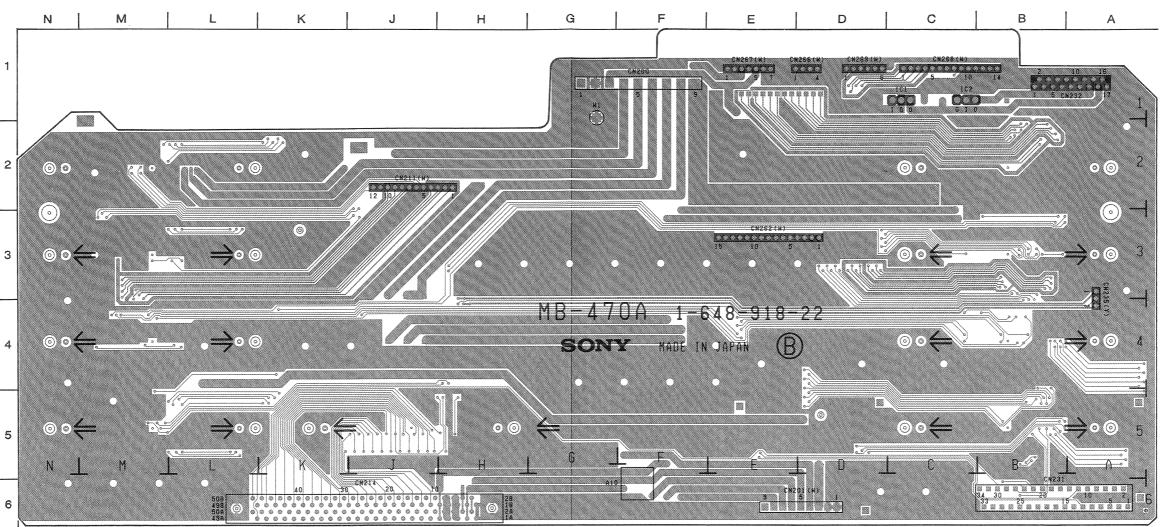
C-1 C-1

IC1 IC2

### С D Ε G CN268(W) CN266(W) CN267(W) Act 000 (46) 000 (1000) 600000 60000 60000 60000 60000 60000 60000 60000 60000 600000 60000 2 **(9)** 22222222222 F21.25A125V SSFR SOC 3 1.25A 125V SFR SOC 1.25A 12 SFR SO MB-470A CN105 -648-918-22 (A) (a) (o) SONY MADE IN JAPAN \_. · ഗ 5 40. LOT NO. CN107 (a) (b) 5 0 0 ......

MB-470A 1-648-918-22 A SIDE

UVW-1600 (J) ; Serial No. 10601 and higher UVW-1600 (UC) ; Serial No. 12901 and higher UVW-1600P(EK); Serial No. 13781 and higher



MB-470A 1-648-918-22 B SIDE

MB-470A (1-648-918-22)

M-3 B-4 B-4-5 B-1-6 J-6-6-1-3-3 D-1-1-1-1 D-1

C-1 C-1

CN103 CN104 CN105 CN106 CN107 CN108 CN109 CN200 CN201 CN211 CN211 CN232 CN232 CN235 CN266 CN266 CN267 CN268 CN269

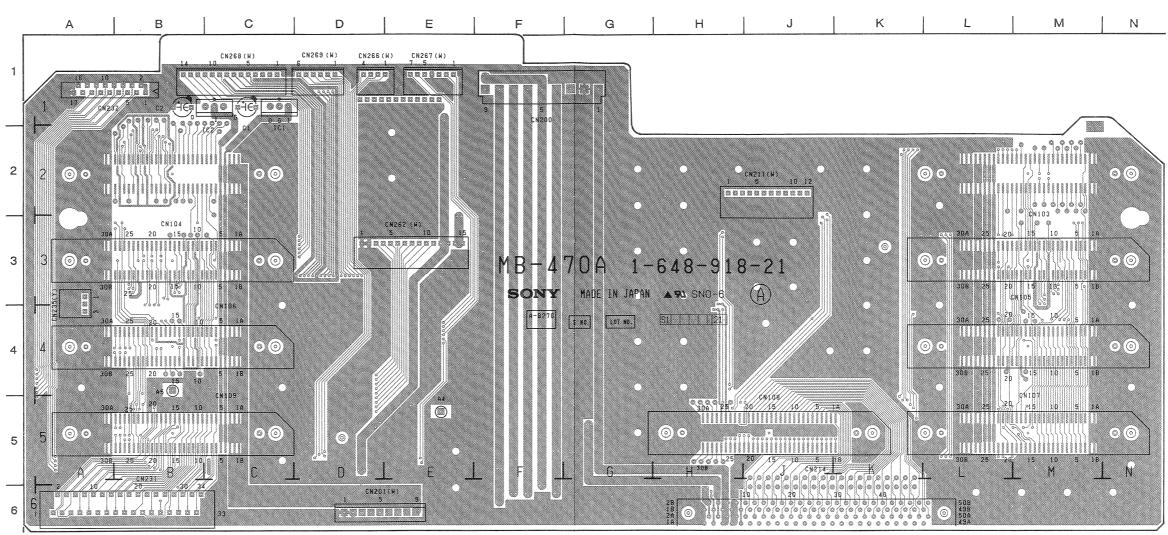
IC1 IC2

UVW-1600 (J) ; Serial No. 10601 and higher UVW-1600 (UC) ; Serial No. 12901 and higher UVW-1600P(EK); Serial No. 13781 and higher

# MB-470A(1-648-918-21) CN103 CN104 CN105 CN106 CN107 CN108 CN109 CN200 CN201 CN211 CN214 CN231 CN232 CN235 CN266 CN266 CN266 CN268 CN269

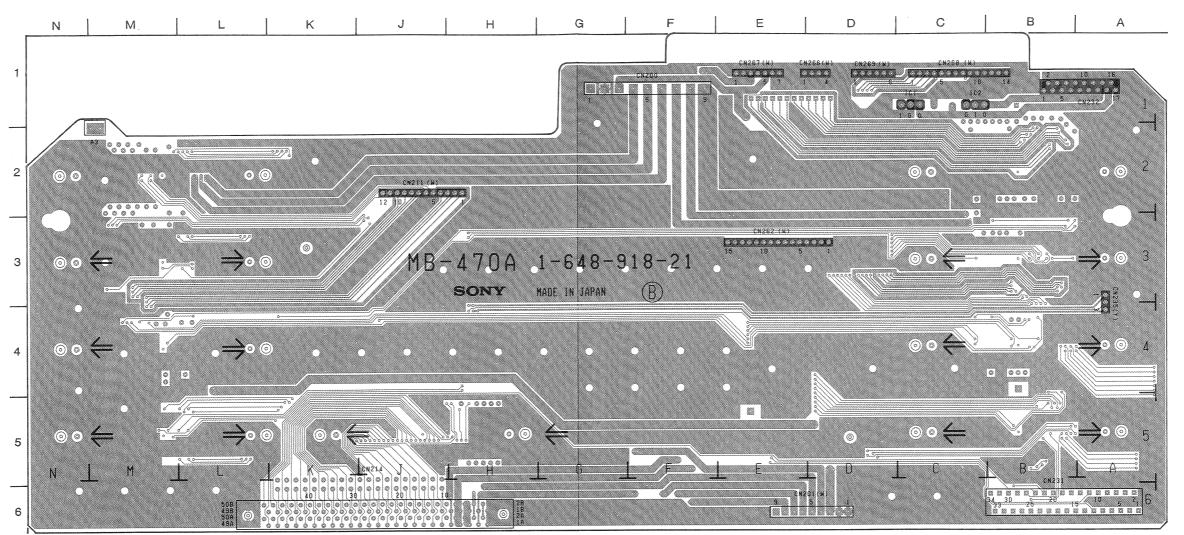
M-3 B-4 B-4 M-5 B-5 F-1 D-6 J-2 J-6 B-3 D-1 E-1 D-1

IC1 IC2 C-1 C-1



MB-470A 1-648-918-21 A SIDE

UVW-1600 (J) ; Serial No. 10001 through 10600 UVW-1600 (UC) ; Serial No. 10001 through 12900 UVW-1600P(EK); Serial No. 10001 through 13780



MB-470A 1-648-918-21 B SIDE

MB-470A(1-648-918-21)

M-3 B-4 B-4-5 B-5-5 F-1-6 J-2-6 B-6-1 B-6-1 B-1-1 E-1-1

> C-1 C-1

CN103 CN104 CN105 CN106 CN107 CN108 CN109 CN200 CN201 CN211 CN211 CN232 CN235 CN232 CN235 CN266 CN266 CN266 CN266 CN269

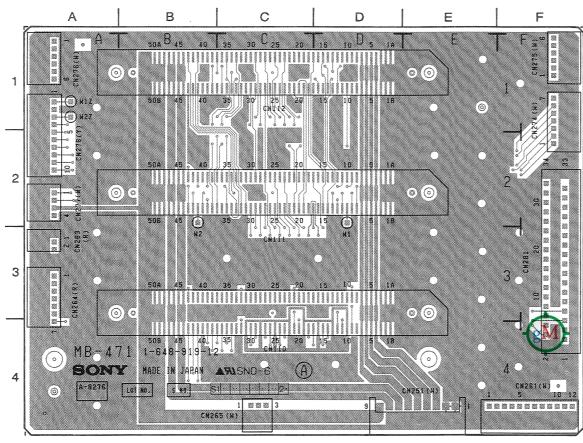
IC1 IC2

UVW-1600 (J) ; Serial No. 10001 through 10600 UVW-1600 (UC) ; Serial No. 10001 through 12900 UVW-1600P(EK); Serial No. 10001 through 13780

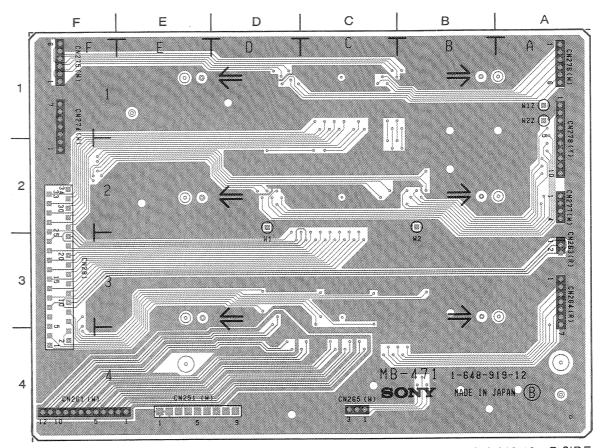
# MB-471; MOTHER BOARD

MB-471 (1-648-919-12)

CN110 CN111 CN112 CN251 CN261 CN263 CN264 CN265 CN274 CN275 CN276 CN277 CN278 CN278 CN278 C-4 C-3 C-1 E-4 F-4 A-3 B-4 F-1 F-1 A-2 A-2 F-3



MB-471 1-648-919-12 A SIDE



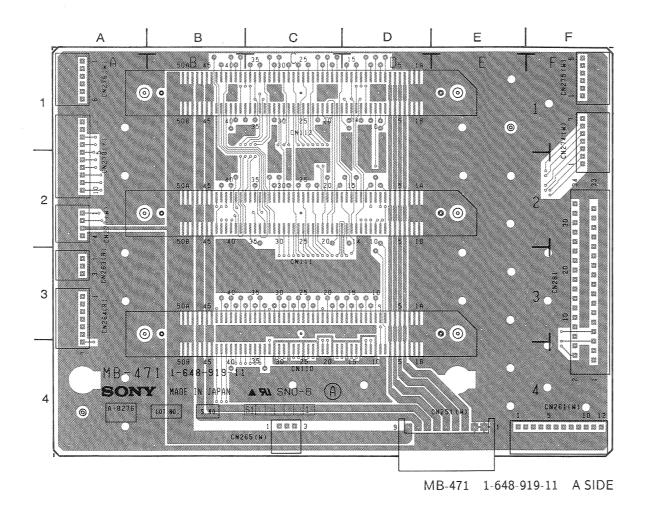
MB-471 1-648-919-12 B SIDE

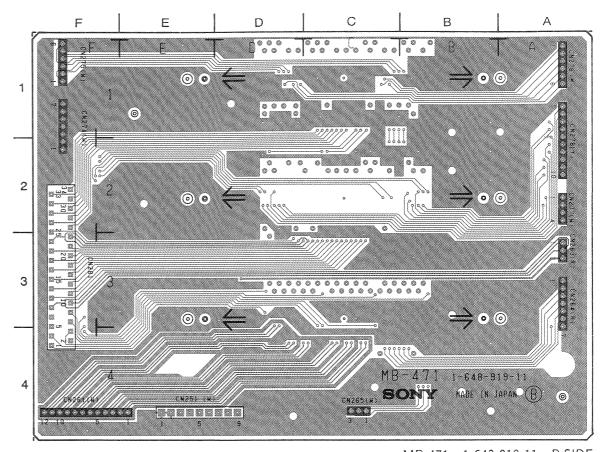
UVW-1800 (J) ; Serial No. 10901 and higher UVW-1800 (UC); Serial No. 13931 and higher UVW-1800P(EK); Serial No. 14141 and higher

# MB-471; MOTHER BOARD

MB-471(1-648-919-11)

CN110 C-4 CN111 C-3 CN112 C-1 CN251 E-4 CN261 F-4 CN263 A-3 CN264 B-3 CN265 B-4 CN274 F-1 CN275 F-1 CN276 A-1 CN277 A-2 CN278 A-2 CN281 F-3





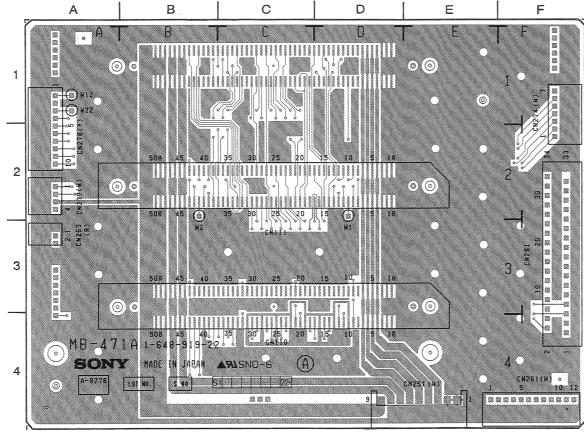
MB-471 1-648-919-11 B SIDE

UVW-1800 (J) ; Serial No. 10001 through 10900 UVW-1800 (UC) ; Serial No. 10001 through 13930 UVW-1800P(EK); Serial No. 10001 through 14140

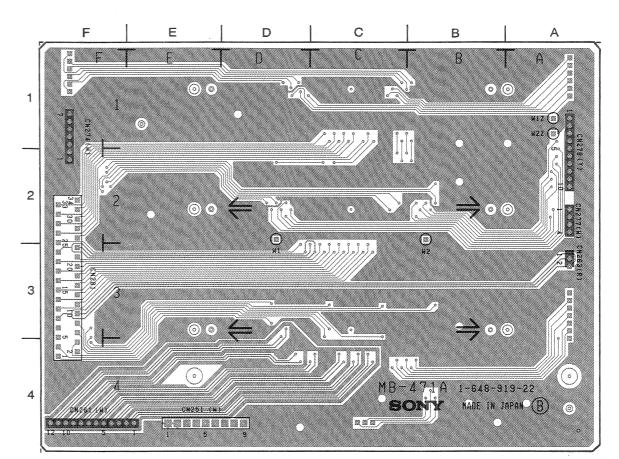
# MB-471A; MOTHER BOARD

### MB-471A (1-648-919-22)

CN110 C-4
CN111 C-3
CN251 E-4
CN261 F-4
CN263 A-3
CN274 F-1
CN277 A-2
CN278 A-2
CN281 F-3



MB-471A 1-648-919-22 A SIDE



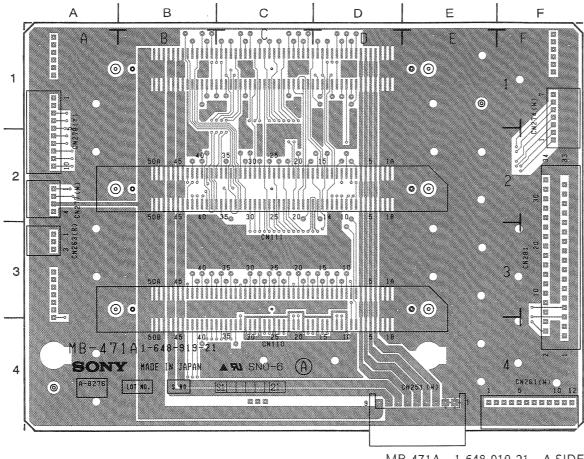
MB-471A 1-648-919-22 B SIDE

UVW-1600 (J) ; Serial No. 10601 and higher UVW-1600 (UC) ; Serial No. 12901 and higher UVW-1600P(EK); Serial No. 13781 and higher

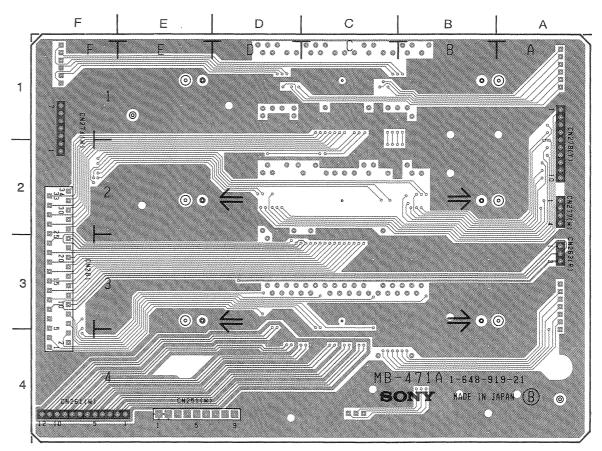
### **MB-471A; MOTHER BOARD**

MB-471A(1-648-919-21)

CN110 CN111 CN251 CN261 CN263 CN274 CN277 CN278 CN281 C-4 C-3 E-4 F-4 A-3 F-1 A-2 A-2 F-3







MB-471A 1-648-919-21 B SIDE

UVW-1600 (J) ; Serial No. 10001 through 10600 UVW-1600 (UC) ; Serial No. 10001 through 12900 UVW-1600P(EK); Serial No. 10001 through 13780

# SECTION 16 SCHEMATIC DIAGRAMS

# SCHEMATIC DIAGRAM INDEX

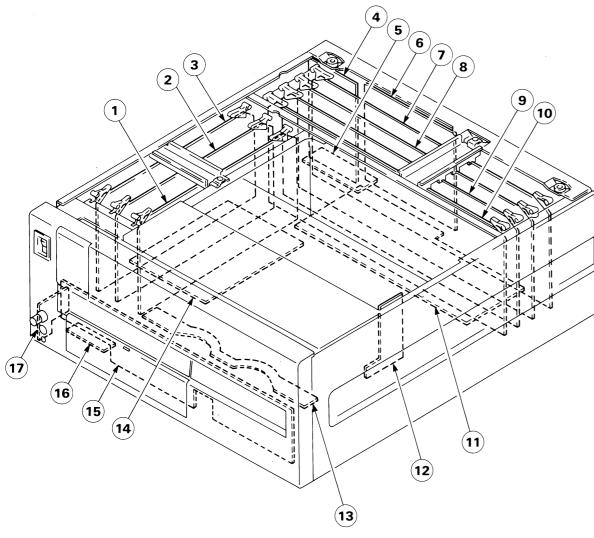
	Board		Page
Α	AP-31/31P	(UVW-1800/1800P) ······	16-4
	AP-31A/31AP	(UVW-1600/1600P)	16-16
	AR-14/14P	(UVW-1800/1800P) ·····	16-28
С	CP-225/225A		16-43
	CP-226/226A	/226J/226AJ	16-45
D	DR-214		16-48
K	KY-249	(UVW-1800/1800P) ·····	16-56
	KY-249A	(UVW-1600/1600P) ·····	16-60
M	MS-39/39A		16-64
	M B - 470/470 A	/470P/470AP	16-153
	MB-471/471A		16-161
R	RP-70/70A/7	0P/70AP	16-68
S			
	SOPS-1045/1	046	16-151
T	TBC-25/25P		16-92
٧		3P/43AP	
	VRA-5/5P	(UVW-1800/1800P)	16-136
FRAME	WIRING		16-165

NOTE; The  $oldsymbol{\Lambda}$  -marked components are critical to safety. Replace only with same components as specified.

UVW-1800/1600 UVW-1800P/1600P

# CIRCUIT FUNCTION

VRA-5/P BOARD(UVW-1800/P)



1	RP-70/P BOARD(UVW-1800/P)	; RF REC/PB AMP.,ROTARY ERASE OSC.,FULL ERASE OSC.
	RP-70A/AP BOARD(UVW-1600/P)	; RF PB AMP.
2	AP-31/P BOARD(UVW-1800/P)	; AUDIO/TC PB AMP.,METER DRIVER
	AP-31 A/AP BOARD(UVW-1600/P)	; AUDIO/TC PB AMP.,METER DRIVER
3	AR-14/P BOARD(UVW-1800/P)	; AUDIO/TC REC AMP.,AUDÌO/TC ERASE OSC.,AUDIO BIAS DRIVER
4	CP-226 BOARD(UVW-1800/P: FOR UC, EK)	; AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER
	CP-226J BOARD(UVW-1800: FOR J)	; AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER
	CP-226A BOARD(UVW-1600/P: FOR UC, EK)	; AUDIO OUTPUT CONNECTOR, OUTPUT TRANSFORMER
	CP-226AJ BOARD(UVW-1600: FOR J)	; AUDIO OUTPUT CONNECTOR, OUTPUT TRANSFORMER
5	CP-237 BOARD(UVW-1800/P)	; TBC/9P REMOTE CONNECTOR
	CP-237A BOARD(UVW-1600/P)	; TBC/9P REMOTE CONNECTOR
6	CP-225 BOARD(UVW-1800/P)	; VIDEO INPUT/OUTPUT CONNECTOR
	CP-225A BOARD(UVW-1600/P)	; VIDEO OUTPUT CONNECTOR

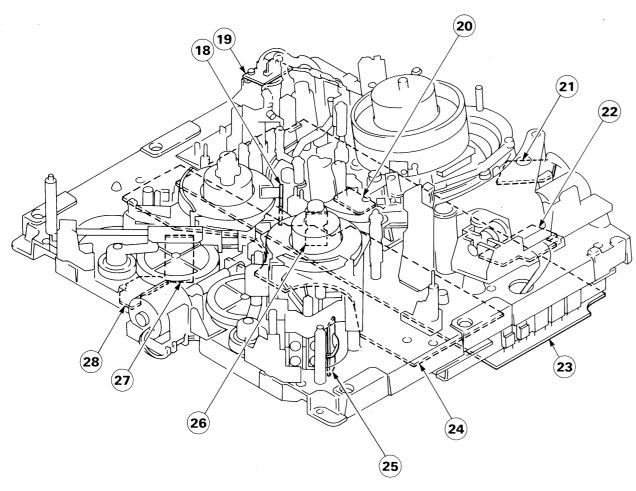
; Y/C REC PROCESS(DECODE,MOD),CTDM(COMPAND)

		OUTPUT DRIVER, ENCODE, SYNC/CHARA MIX
	VP-43A/AP BOARD(UVW-1600/P)	; Y/C PB PROCESS(PB RF EQ,DEMOD.,Y-RF ENVELOPE DET),VIDEO
		OUTPUT DRIVER, ENCODE, SYNC/CHARA MIX
9	TBC-25/P BOARD	; TIME BASE CORRECTOR,CTDM(EXPAND)
10	SS-53 BOARD	; SYSTEM CONTROL, SERVO SYSTEM MAIN, TIME CODE
	•	GENERATOR/READER, CHARACTER GENERATOR
11)	MB-470/P BOARD(UVW-1800/P)	; MOTHER BOARD
	MB-470A/AP BOARD(UVW-1600/P)	; MOTHER BOARD
12	CL-25 BOARD (CASSETTE COMPARTMENT)	; CASSETTE LOADING BEGIN/NEAR-END SENSOR
13	PC-62 BOARD (CASSETTE COMPARTMENT)	; CASSETTE IN/LARGE CASSETTE SENSOR
14)	MB-471 BOARD(UVW-1800/P)	; MOTHER BOARD
	MB-471A BOARD(UVW-1600/P)	; MOTHER BOARD
15	KY-249 BOARD(UVW-1800/P)	; FUNCTION KEY
	KY-249A BOARD(UVW-1600/P)	; FUNCTION KEY
16)	VR-155 BOARD (UVW-1800/P)	; AUDIO REC LEVEL
$\bigcirc$	HP-61 BOARD(UVW-1800/P)	; HEADPHONES JACK/VOLUME CONTROL
	HP-61 A BOARD(UVW-1600/P)	; HEADPHONES JACK/VOLUME CONTROL

; Y/C PB PROCESS(PB RF EQ,DEMOD.,Y-RF ENVELOPE DET), VIDEO

16-1 (2) 16-1 (2) UVW-1800/1600 UVW-1800P/1600P

### AP-31/31P



FG
FG

19 PD-35 BOARD ; PINCH SOLENOID 20 TR-84 BOARD ; S-TENSION SENSOR

21 PTC-68 BOARD ; THREAD END/UNTHREAD END SENSOR

PTC-67 BOARD ; THREADING FG/MOTOR

23 DR-214 BOARD ; MOTOR DRIVER, TENSION SENS. AMP., DRUM FG/PG AMP., CAPSTAN FG AMP.,

CTL, REC/PB AMP.

 MS-39 BOARD(UVW-1800/P) ; CASSETTE INFORMATION, SOLENOID DRIVER, MECHA. CONTROL MPU, DATA

STORAGE

MS-39A BOARD(UVW-1600/P); CASSETTE INFORMATION, SOLENOID DRIVER, MECHA. CONTROL MPU, DATA

STORAGE

25 RM-127 BOARD ; T-REEL MOTOR

SE-207 BOARD(T SIDE) ; REEL FG

② RM-126 BOARD ; S-REEL MOTOR

Ø PTC-66 BOARD ; REEL POSITION SENSOR

AP-31 (1-64	18-906-12)								
CN1 CN2 CN3 CN111	H-1 A-1 G-4 E-5	FS41 E FS43 C	C-2 O-2 C-2 O-2	FS121 FS122 FS123 FS124 FS125	G-5 G-5 H-5 H-5 H-1	#Q1 Q2 Q3 #Q4 #Q5	H-1 H-2 H-2 J-2 J-2	S202 TH1 TH2	C- J-2 A-2
#D1 #D2 #D3 #D5 #D6 #D7 #D8 #D10 #D11 #D12 #D13 #D15 #D16 #D17 #D18 #D202 #D203 #D202 #D203 #D206 #D205 #D206 #D207 #D209 #D211 #D401 #D403 #D403 #D500	J-2 H-3 H-4 G-3 J-5 G-3 G-3 G-3 G-3 G-3 G-3 G-3 G-3 G-3 G-3	FS45 FS46 FS47 FS48 FS49 FS50 FS51 FS52 FS53 FS54 FS55 FS56 FS56 FS57 FS58 FS59 FS61 FS63 FS64 FS65 FS66 FS67 FS68 FS68 FS69 FS68 FS69 FS69 FS70 FS71 FS72 FS73 FS74 FS75 FS75	0.2.2.3.3.3.3.3.4.4.4.4.4.4.4.4.5.5.5.5.5.3.3.3.4.4.4.4	F\$1 26 F\$1 27 F\$1 28 F\$1 29 F\$1 30 F\$1 31 F\$1 32 F\$1 33 F\$1 34 F\$1 35 F\$1 36 F\$1 37 F\$1 38 F\$1 39 F\$1 41 F\$1 42 F\$1 44 F\$1 45 F\$1 46 F\$1 47 F\$1 48 F\$1 50 F\$1 51 F\$1 52 F\$1 52 F\$1 53 F\$1 52 F\$1 53 F\$1 54 F\$1 55 F\$1 55 F\$	\.\frac{1}{1}.\frac{1}{1}.\frac{1}{2}.\fra	#Q6 #Q7 #Q8 #Q9 #Q10 #Q11 #Q12 #Q13 #Q14 #Q15 #Q16 #Q17 Q18 Q19 Q20 Q21 #Q23 Q25 #Q23 Q25 #Q26 P N Q29 Q30 #Q34 #Q35 #Q34 #Q35 #Q36 #Q201	J-2-2-3-4-4-2-2-1-3-3-3-2-2-5-5-5-4-4-4-3-3-3-3-2-2-2-1-3-3-3-3-2-2-2-1-3-1-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-4-4-3-3-3-3-2-2-2-1-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-4-4-3-3-3-2-2-2-2	TP1 TP2 TP3 TP4 TP5 TP201 TP202 TP203 TP204 TP205 TP401 TP402 TP403	H-J-1-J-2-G-G-A
E1 E2 E201 E202	H-4 G-1 B-4 E-1	FS77 F FS78 E FS79 F	4 4 5 5	FS154 FS155 FS156	G-5 H-5 H-5	Q202 Q203 #Q204 #Q205 #Q206	A-2 A-2 B-2 A-2		
FS1 FS3 FS4 FS5 FS6 FS7 FS8 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS19 FS20 FS21 FS22 FS23 FS24 FS25 FS26 FS27 FS27 FS28 FS29 FS20 FS21 FS22 FS23 FS22 FS23 FS24 FS25 FS26 FS27 FS27 FS28 FS28 FS28 FS29 FS28 FS29 FS29 FS29 FS29 FS20 FS21 FS22 FS23 FS24 FS25 FS26 FS27 FS27 FS28 FS28 FS28 FS29 FS29 FS29 FS29 FS29 FS29 FS20 FS21 FS22 FS21 FS22 FS23 FS24 FS25 FS26 FS27 FS28 FS29 FS28 FS29 FS29 FS29 FS29 FS29 FS29 FS29 FS29	A A B B B A B B A B B A A A A A A A A B B B B C C C C	FS81		IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC210 IC211 IC401	J J J H G G G F G G H E D E J A A A B C C C C C C A F F C D D C D F G	#Q207 #Q208 #Q209 #Q210 #Q211 #Q212 #Q213 #Q214 #Q215 Q216 Q217 Q218 Q229 #Q220 #Q221 #Q223 #Q224 #Q225 #Q225 #Q403 #Q403 #Q403 #Q402 #Q403 RV1 RV2 RV3 RV4 RV5 RV201 RV202 RV203 RV204 RV205 S1	A22344413332555544442224453 11111111111111111111111111111111111		
FS36 FS38 FS39	D-1 C-2 C-2	FS118 I	H-4 H-4 H-5	PS1 PS2	G-5 G-5	\$2 \$201	G-1 A-1		

#: B SIDE P: UVW-1800P ONLY N: UVW-1800 ONLY

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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher
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В

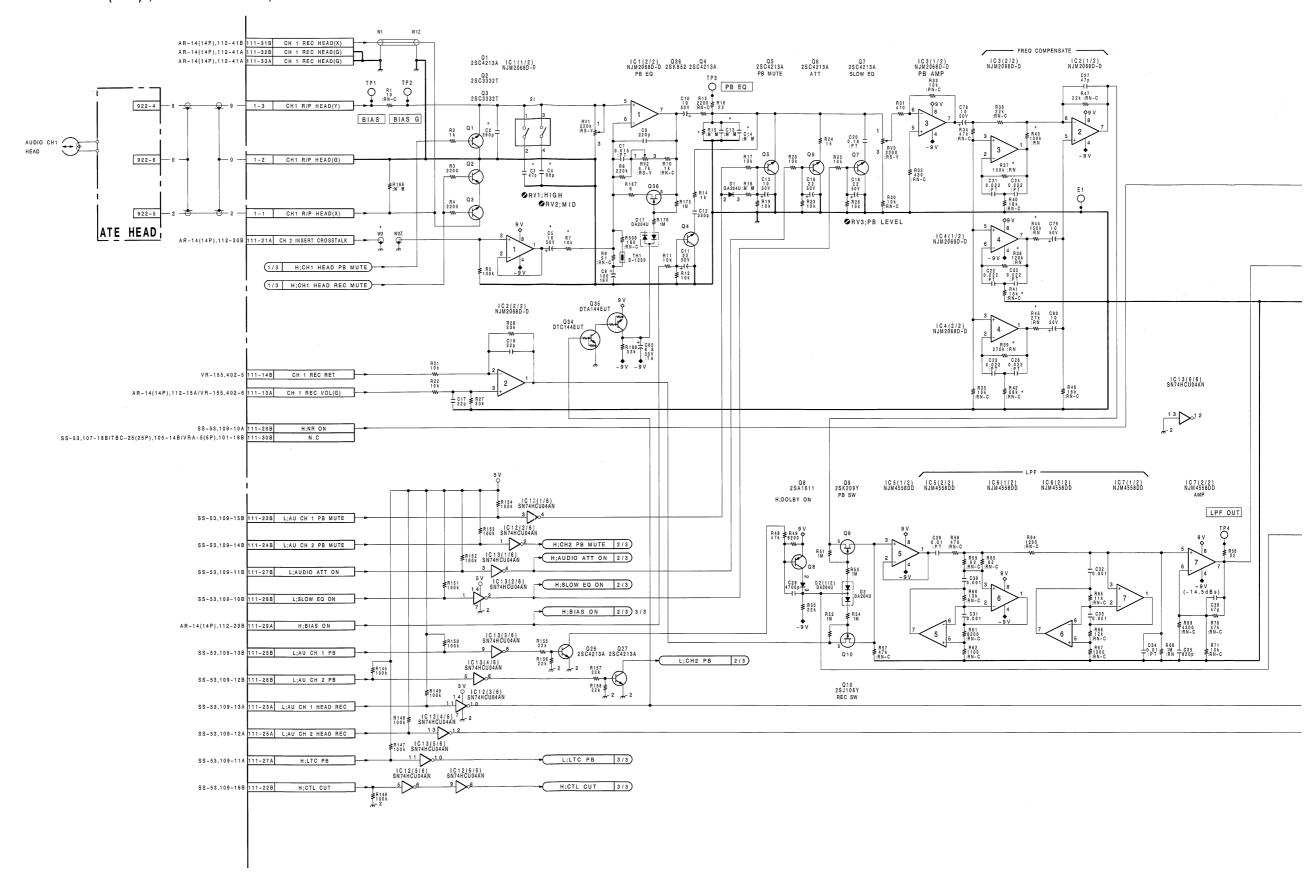
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### AP-31/31P(1/3); CH-1 PB EQ/NR, LINE/METER/HP DRIVE



16-5 (b1)

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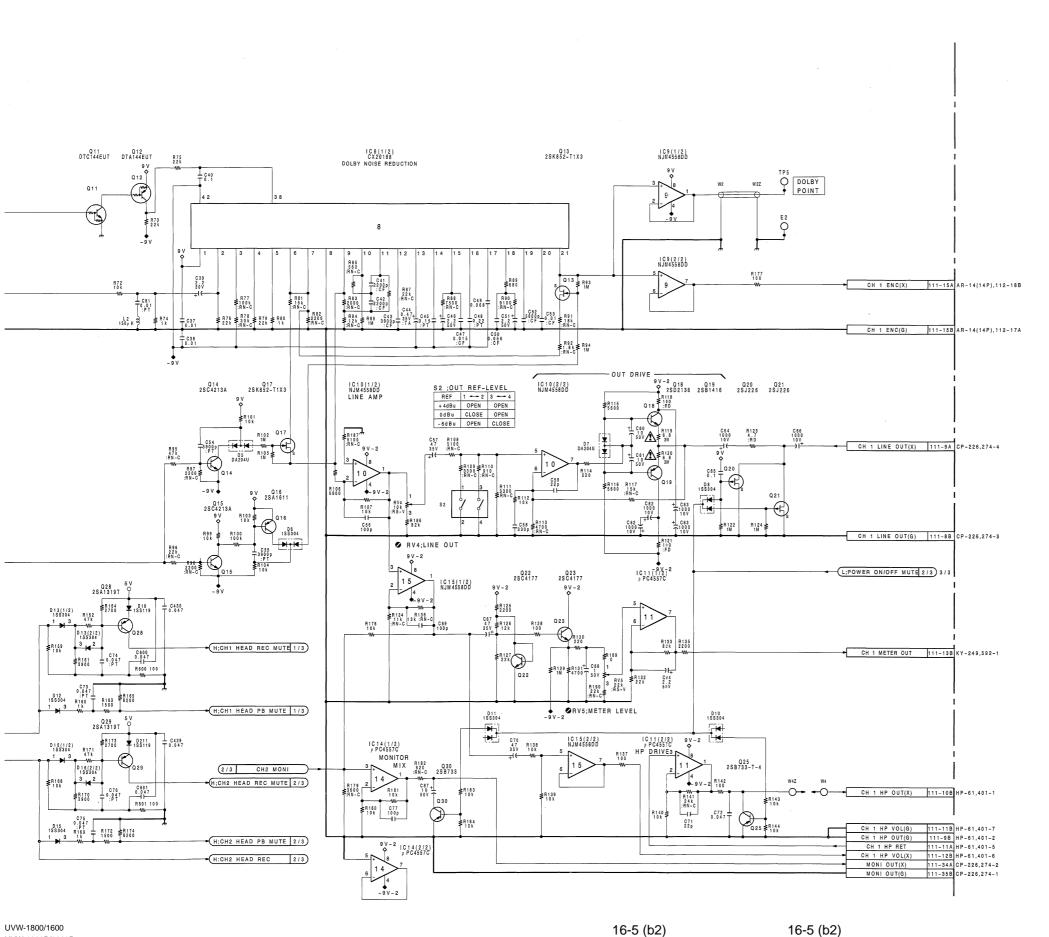
UVW-1800/1600 UVW-1800P/1600P

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16-5 (b1)

С



	UVW-	-1800
*	J,UC	EK
C2	390P	470P
C3	47P	47P
C 4	68P	22P
C 5	10/50V	10/50V
C13	N' M	6800P(:P1
C14	N' M	3300P
R7	10K	10K
R15	N' M	▲ 10K
R37	∆150K	∆270K
R38	∆120K	Δ120K
R39	∆270K	Δ270K
R 4 1	▲ 15K	▲ 56K
R42	▲ 68K	▲100K
R43	Δ100K	N' M
R 4 4	Δ150K	Δ 1M
R 45	△ 27K	∆ 22K
W3	1-952-673-11	1-952-673-

AP-31/31P BOARD (1/3)

BOARD NO.1-648-906-12 UVW-1800 (J);#10901-UVW-1800 (UC);#13931-UVW-1800P(EK);#14141-

16-5 (b2) UVW-1800P/1600P K

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**B02 H-3 F596 D-2 F5127 J-1 **O7 J-2 TP2 J-1 **O8 H-3 TP3 J-2 **O9 H-4 F547 C-3 F5128 J-1 **O8 H-3 TP3 J-2 **O9 H-4 TP4 G-2

В

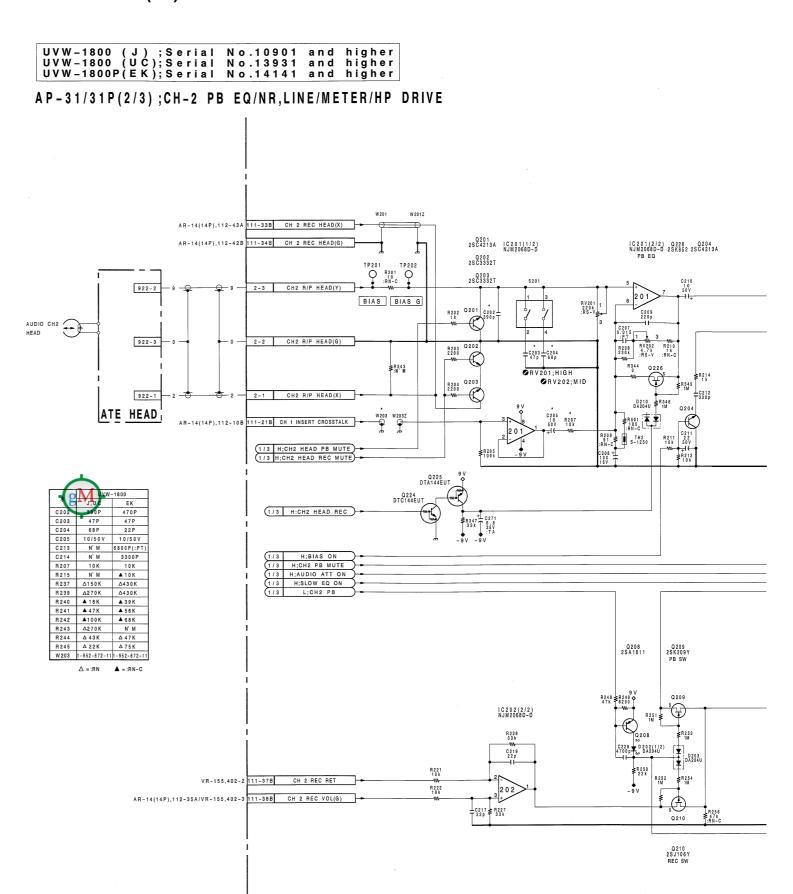
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AP-31/31P AP-31/31P (2/3)



16-8 (b) 16-9 (b1)

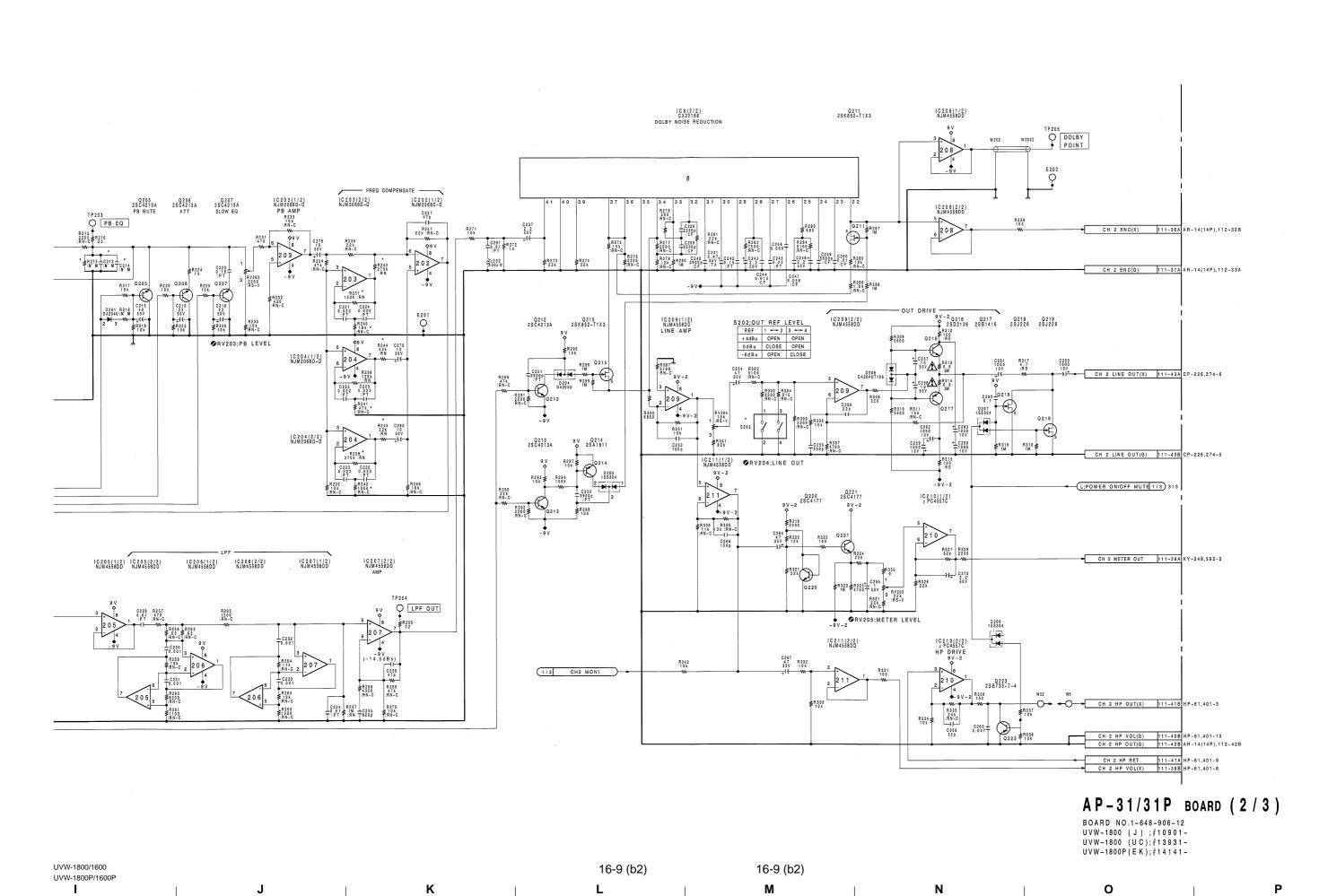
UVW-1800/1600 UVW-1800P/1600P

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С

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AP-31 (1-648-906-12) FS121 FS122 FS123 FS124 FS125 FS126 FS127 S202 **#**Q1 C-1 CN2 CN3 CN111 FS41 FS43 FS44 FS44 A-1 G-4 E-5 22222234422133322555544443344333222122222344133332255554442224453HHJJJJAAAABAABCBBEDDDEAACCBBCBBBGFFF TH1 TH2 #Q4 #Q5 #Q6 A-2 TP1 H-1 TP1 TP2 TP3 TP4 TP5 TP201 TP202 \*D2 \*D3 \*D5 \*D6 \*D7 #Q7 J-1 J-2 G-2 G-1 A-1 B-2 C-2 D-1 G-4 G-5 D-1 FS47 FS48 FS49 FS50 FS51 #Q8 F3129 P H-2
F3129 N J-2
F3130 J-2
F3131 J-2
F3132 J-2
F3133 J-3
F3135 J-3
F3136 H-3
F3136 H-3
F3136 H-3
F3140 J-3
F3140 J-3
F3140 J-3
F3140 J-4
F3141 J-4
F3143 J-4
F3144 J-4
F3145 J-4
F3145 J-4
F3147 J-5
F3149 J-5
F3150 H-5
F3151 H-5
F3152 H-5
F3153 G-5
F3154 H-5
F3155 H-5
F3156 H-5
F3156 H-5 **#**Q11 **#**Q12 FS52 FS53 FS54 FS55 FS56 TP202 TP203 TP204 TP205 TP401 TP402 TP403 \*Q16 \*Q17 Q18 Q19 Q20 Q21 \*Q23 Q25 \*Q26 \*Q27 Q28 Q29 Q30 \*Q34 \*Q35 \*Q30 \*Q30 \*Q30 \*Q30 \*Q20 Q203 \*Q205 \*Q201 Q202 Q203 \*Q205 \* FS56 FS57 FS58 FS59 FS61 FS63 FS64 FS65 \*D201 \*D202 \*D203 \*D204 \*D205 \*D206 FS67 FS68 FS69 FS70 \*D207 \*D209 \*D210 FS71 FS72 FS73 FS74 D211 \*D401 \*D403 \*D500 FS152 FS153 FS154 FS155 FS156 FS75 H-4 G-1 B-4 E-1 FS76 FS77 FS78 FS79 FS80 E201 E202 FS81 FS83 FS84 FS85 FS86 FS87 #Q211 #Q212 #Q213 #Q214 FS88 FS89 FS90 FS91 FS92 FS93 FS94 FS96 FS97 FS98 FS99 FS100 FS101 #Q215 Q216 Q217 Q218 Q219 #Q220 #Q221 Q223 #Q224 #Q225 #Q226 #Q401 #Q402 FS102 FS103 FS105 FS106 FS107 FS108 FS109 FS110 RV1 RV2 RV3 RV4 RV5 RV201 J-1 J-1 H-1 H-1 B-1 RV202 RV203 RV204 B-1 FS113 C-1 C-1 FS114 FS115 FS116 IC410 RV205 FS117 FS118 FS119 PS1 PS2 G-5 G-5 S1 S2 S201 G-1 A-1 FS39

# : B SIDE

P: UVW-1800P ONLY N: UVW-1800 ONLY

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16-12 (b) D

16-12 (b)

UVW-1800/1600 UVW-1800P/1600P Н

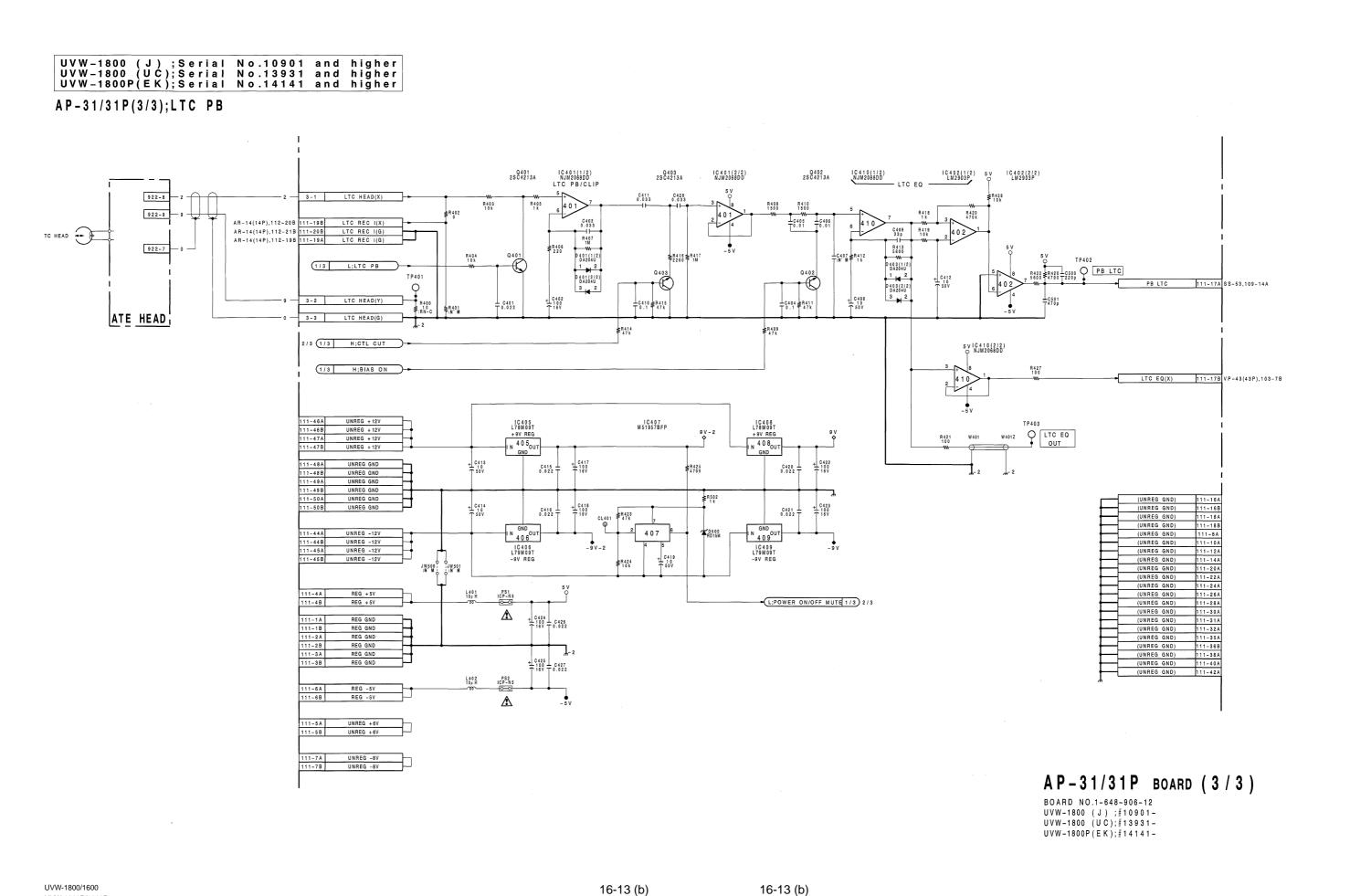
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UVW-1800P/1600P

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В

G H

# AP-31/31P AP-31/31P

AP-31 (1-6	48-906-11	)							
CN1 CN2 CN3 CN111	H-1 A-1 G-4 E-5	FS40 FS41 FS43 FS44 FS45	C-2 D-2 C-2 D-2 D-2	FS121 FS122 FS123 FS124 FS125	G-5 G-5 H-5 H-5 H-1	Q2 Q3 #Q4 #Q5 #Q6	H-2 H-2 J-2 J-2 J-2	*TH1 *TH2 TP1 TP2	J-2 B-2 H-1 J-1
*D1 *D2 *D3 *D5 *D6 *D7 *D11 *D11 *D11 *D11 *D11 *D11 *D12 *D16 *D20 *D203 *D204 *D205 *D206 *D207 *D209 *D210 *D211 *D401 *D403 *D500 F	J-2 H-3 H-3 J-5 H-5 H-3 H-3 H-3 H-2 H-2 H-2 H-2 H-2 H-2 H-3 H-3 H-3 H-3 H-3 H-3 H-3 H-3 H-3 H-3	FS46 FS47 FS48 FS49 FS50 FS51 FS52 FS53 FS54 FS55 FS56 FS57 FS63 FS64 FS65 FS66 FS67 FS67 FS68 FS67 FS67 FS67 FS67 FS67 FS67 FS67 FS67	00000000000000000000000000000000000000	FS126 FS127 FS128 FS129 FS130 FS131 FS132 FS134 FS135 FS136 FS137 FS138 FS139 FS140 FS141 FS142 FS143 FS144 FS145 FS145 FS145 FS145 FS150 FS151 FS153 FS153 FS153 FS153		#Q7 #Q8 #Q9 #Q10 #Q11 #Q12 #Q13 #Q15 #Q16 #Q16 #Q17 Q18 Q20 Q21 #Q22 #Q23 #Q25 #Q25 #Q25 #Q25 #Q25 #Q26 #Q27 Q28 Q29 Q30 #Q30 #Q30 #Q30 #Q30 #Q30 #Q30 #Q30	J-J-H-H-H-C-E-H-G-F-F-J-J-H-H-J-H-G-E-J-J-J-H-H-J-H-G-E-J-J-J-H-H-J-H-G-E-J-J-J-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A	TP3 TP4 TP5 TP201 TP202 TP203 TP204 TP205 TP401 TP402 TP403	G-1 G-2 G-1 A-1 B-2 C-2 G-4 G-5 D-1
E1 E2 E201 E202	H-4 G-1 B-4 E-1	FS77 FS78 FS79 FS80	F-4 E-5 F-5 F-5	FS155 FS156 IC1	H-5 H-5 J-2	#Q204 #Q205 #Q206 #Q207	B-2 A-2 A-2 B-2		
FS1 FS3 FS4 FS5 FS6 FS7 FS8 FS9 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS20 FS20 FS21 FS22	A-12 B-23 B-33 B-33 B-33 A-33 B-34 A-44 A-44 A-44 A-45	FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS88 FS89 FS90 FS91 FS92 FS93 FS94 FS96 FS97 FS98 FS99 FS100 FS101 FS101 FS102 FS103	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208	J-4 J-3 J-4 J-3 J-4 J-4 J-4 J-4 J-4 J-4 J-4 J-4 J-4 J-4	#Q208 #Q209 #Q210 #Q211 #Q211 #Q213 #Q214 #Q215 Q216 Q217 Q218 Q219 #Q220 #Q221 #Q223 #Q224 #Q225 #Q226 #Q401 #Q402 #Q403	C-3-4-4-1-3-3-3-2-5-5-5-5-5-4-4-4-2-2-2-4-5-5-5-5-5-8-B-C-B-B-G-F-F-F-B-B-G-F-F-F-B-B-G-F-F-F-F-B-B-G-F-F-F-F		
FS23 FS24 FS25 FS26 FS27 FS28 FS29 FS30 FS31 FS32 FS33	A-5 A-5 B-5 B-5 B-5 C-1 C-1	FS104 FS105 FS106 FS107 FS108 FS109 FS111 FS1112 FS113 FS114	G-3 G-3 H-3 H-3 H-3 G-4 H-4 H-4 G-4 H-4	IC209 IC210 IC211 IC401 IC402 #IC405 #IC406 #IC407 #IC408 #IC409 IC410	C-2 C-4 A-4 F-4 C-5 D-5 D-5 C-5 F-5	RV1 RV2 RV3 RV4 RV5 RV201 RV202 RV203 RV204 RV205	J-1 J-1 J-1 H-1 B-1 B-1 C-1		
FS34 FS35 FS36 FS38 FS39	C-1 C-1 D-1 C-2 C-2	FS115 FS116 FS117 FS118 FS119	H-4 G-4 H-4 H-5	PS1 PS2 #Q1	G-5 G-5 H-1	S1 S2 S201 S202	J-1 G-1 A-1 C-1		

# : B SIDE

P: UVW-1800P ONLY

http://getMANUAL.com

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UVW-1800 (J); Serial No.10001 through 10900
UVW-1800 (UC); Serial No.10001 through 13930
UVW-1800P(EK); Serial No.10001 through 14140
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### AP-31/31P(1/3); CH-1 PB EQ/NR, LINE/METER/HP DRIVE

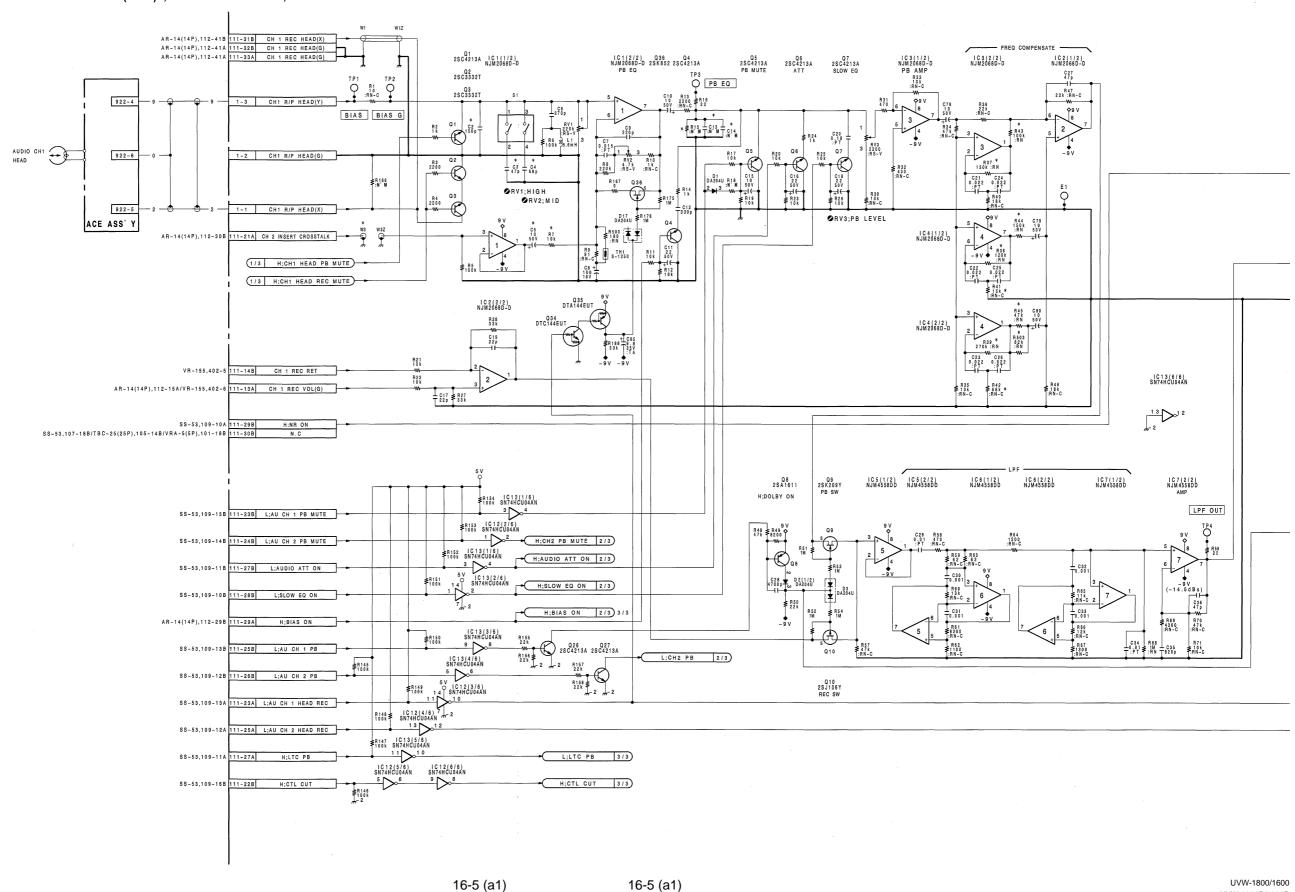
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В

С

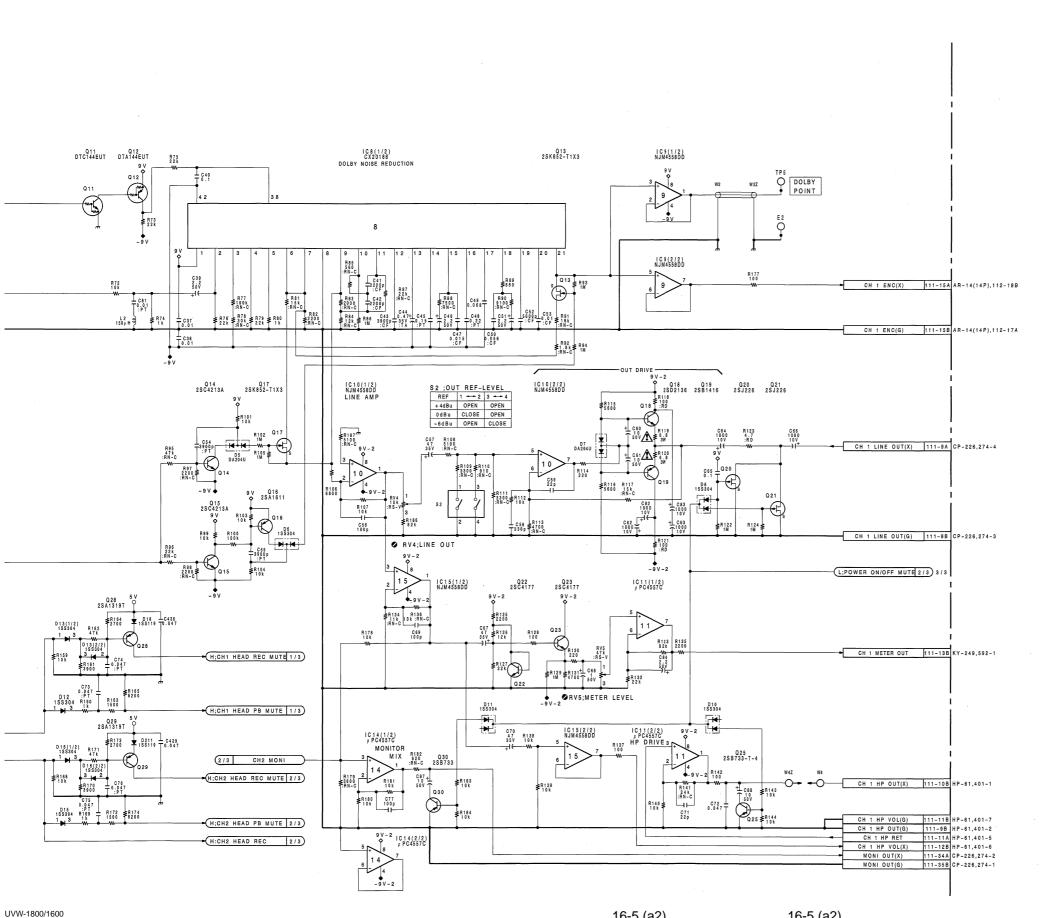


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UVW-1800P/1600P

Н

G



-1-	UVW	-1800
*	J,UC	EK
C2	150P	470P
C3	47P	47P
C 4	68 P	22P
C 5	10/50V	10/50V
C13	N' M	6800P
C14	N, W	3300P
R7	10K	10K
R15	N' M	▲10K
R37	∆150K	∆270K
R38	∆1 2 0 K	Δ120K
R39	∆270K	∆270K
R41	▲15K	▲56K
R42	▲68K	▲100K
R43	Δ100K	N' M
R44	Δ1 5 0 K	△ 1M
R45	Δ47K	∆22K
R503	∆62K	N' M
W3	1-952-673-11	1-952-673-

AP-31/31P BOARD (1/3)

BOARD NO.1-648-906-11 UVW-1800 (J);#10001-10900 UVW-1800 (UC);#10001-13930 UVW-1800P(EK);#10001-14140

16-5 (a2) UVW-1800P/1600P K

16-5 (a2)

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AP-31 (1-648-906-11)
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                                                                                                                                                                                         Q2
Q3
*Q4
*Q5
*Q6
*Q7
*Q8
*Q9
       CN2
                                                                                               \(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\frac{1}\)\(\fra
                                                                                                                                 FS122
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                                                                   FS43
FS44
FS45
FS46
FS47
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H-5
H-1
      CN3
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     CN111
                                   E-5
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                                                                                                                                 FS125
                                                                                                                                                                                                                                                            TP2
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D-1
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G-5
D-1
 ₩D1
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                                                                                                                                 FS126
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TP4
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                                   H-3
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FS128
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FS48
FS49
FS50
FS51
FS52
FS53
FS54
 *D3
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                                                                                                                                                                                                                                                             TP201
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*Q11
*Q12
*Q13
*Q14
*Q15
                                   G-3
 #D6
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E-3
F-3
*D7
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TP204
TP205
TP401
                                                                                                                                 FS131
                                                                                                                                FS132
 #D10
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FS134
 *D11
                                                                   FS55
FS56
FS57
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                                                                                                                                                                                          #Q16
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                                   F-3
 #D13
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Q19
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Q21
#Q22
#Q23
Q25
#Q27
Q28
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Q30
#Q34
 *D15
                                   E-3
                                                                                                                                 FS137
                                                                   FS58
FS59
FS61
 *D16
                                   E-3
                                                                                                                                 FS138
 ₩D17
                                  J-2
H-2
C-3
C-4
D-3
D-3
A-5
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B-2
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 #D18
                                                                                                                                FS140
                                                                   FS63
                                                                                                                                FS141
 #D201
 *D202
                                                                   FS64
                                                                                                                                FS142
                                                                   FS65
                                                                                                                                FS143
 #D204
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                                                                  FS67
FS68
 *D205
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FS147
 #D206
 *D207
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 #D209
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                                                                                                                                FS148
                                                                  FS71
FS72
FS73
                                                                                                                                 FS149
                                                                                                                                                                                      #Q35
#Q36
#Q201
Q202
Q203
 #D211
                                   Ā-3
F-3
                                                                                                                                 FS150
 #D401
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                                 F-5
                                                                  FS74
FS75
 #D403
                                                                                                                                FS152
                                                                                                                               FS153
FS154
 #D500
                                  D-5
                                                                   FS76
                                                                   FS77
                                                                                                                                FS155
                                                                                                                                                                                         #Q204
   E2
E201
E202
                                                                                                                                FS156
                                                                                                                                                                                         #Q205
                                                                   FS78
                                                                   FS79
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                                   E-1
                                                                   FS80
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                                                                                                                                                                                         #Q207
                                                                                                                               IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC11
IC12
                                                                   FS81
FS82
FS83
FS84
                                                                                                H-1
H-1
G-1
G-1
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J-3
H-3
                                                                                                                                                                                         #Q208
    FS1
FS3
FS4
FS5
FS6
FS7
FS8
FS9
FS10
FS11
                                                                                                                                                                                         #Q209
#Q210
                                   A-2
B-2
B-2
B-3
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                                                                                                                                                                                         #Q211
                                                                   FS85
FS86
FS87
FS88
FS89
                                                                                               GG1111111GGGGFHHFFGGHGGGHHHHGGGG
                                                                                                                                                             G-3
                                                                                                                                                                                         #Q212
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F-2
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H-4
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                                                                                                                                                                                         #Q214
                                                                                                                                                                                         #Q215
Q216
Q217
                                   B-3
B-3
                                   A-3
                                                                   FS90
                                   B-3
                                                                   FS91
                                                                                                                                                                                             Q218
                                                                                                                                                             E-5 D-4 E-3 J-4 A-2 A A-3 B-3 C-2 C-2 A A-4 F-4 C-5 D-5 D-5 F-5
    FS12
FS13
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FS15
FS16
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FS93
FS94
FS96
FS97
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Q223
*Q224
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FS99
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                                                                                                                                                                                         #Q226
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IC205
IC206
IC207
IC208
IC209
IC210
IC211
      FS19
                                                                   FS100
                                                                                                                                                                                         #Q401
    FS20
FS21
FS22
FS23
FS24
FS25
FS26
FS27
FS28
FS29
FS30
FS31
FS32
                                   A-4
A-4
A-5
A-5
                                                                   FS101
                                                                                                                                                                                         #Q402
                                                                  FS102
FS103
                                                                                                                                                                                         #Q403
                                                                   FS104
                                   A-5
B-5
                                                                                                                                                                                             RV2
RV3
                                                                   FS105
                                                                   FS106
                                                                   FS107
                                   B-5
B-5
C-1
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C-1
                                                                   FS108
                                                                                                                                IC402
                                                                                                                                                                                              RV5
                                                                   FS109
                                                                                                                                                                                                                           B-1
                                                                                                                           *IC405
                                                                                                                                                                                              RV201
                                                                                                                                                                                             RV202
RV203
                                                                   FS110
FS111
                                                                                                                           #IC406
                                                                                                                                                                                                                           B-1
B-1
                                                                                                                           #IC407
                                                                   FS112
                                                                                                                           #IC408
                                                                                                                                                                                              RV204
                                                                                                                                                                                                                           C-1
C-1
                                                                   FS113
                                                                                                                           #IC409
                                                                                                                                                                                              RV205
      FS33
                                                                   FS114
                                                                                                                                IC410
     FS34
                                                                   FS115
     FS35
                                                                   FS116
                                                                                               G-4
                                                                                                                                PS<sub>1</sub>
                                                                                                                                                               G-5
                                                                                                                                                                                                                            G-1
    FS36
                                   D-1
                                                                   FS117
                                                                                                                                PS2
                                                                                                                                                               G-5
                                                                                                                                                                                              S201
     FS38
                                   C-2
                                                                   FS118
                                                                                               H-4
                                                                                                                                                                                              S202
                                                                                                                                                                                                                           C-1
                                   C-2
                                                                                                                           #Q1
                                                                                                                                                             H-1
    FS39
                                                                  FS119
* : B SIDE
P: UVW-1800P ONLY
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В

C

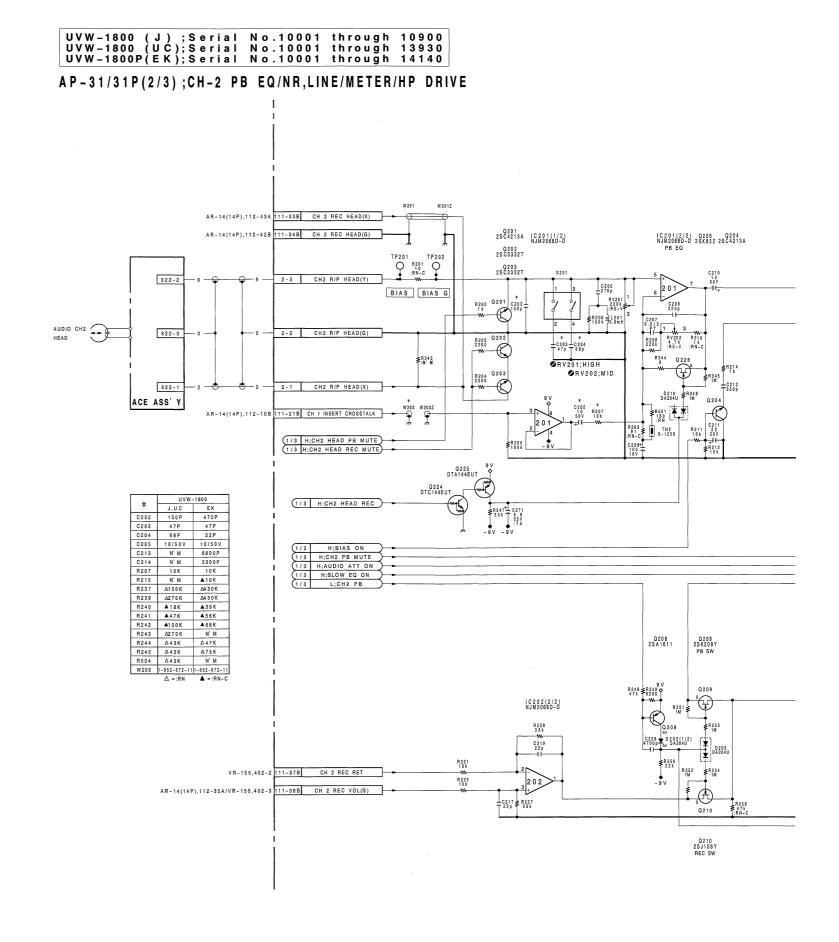
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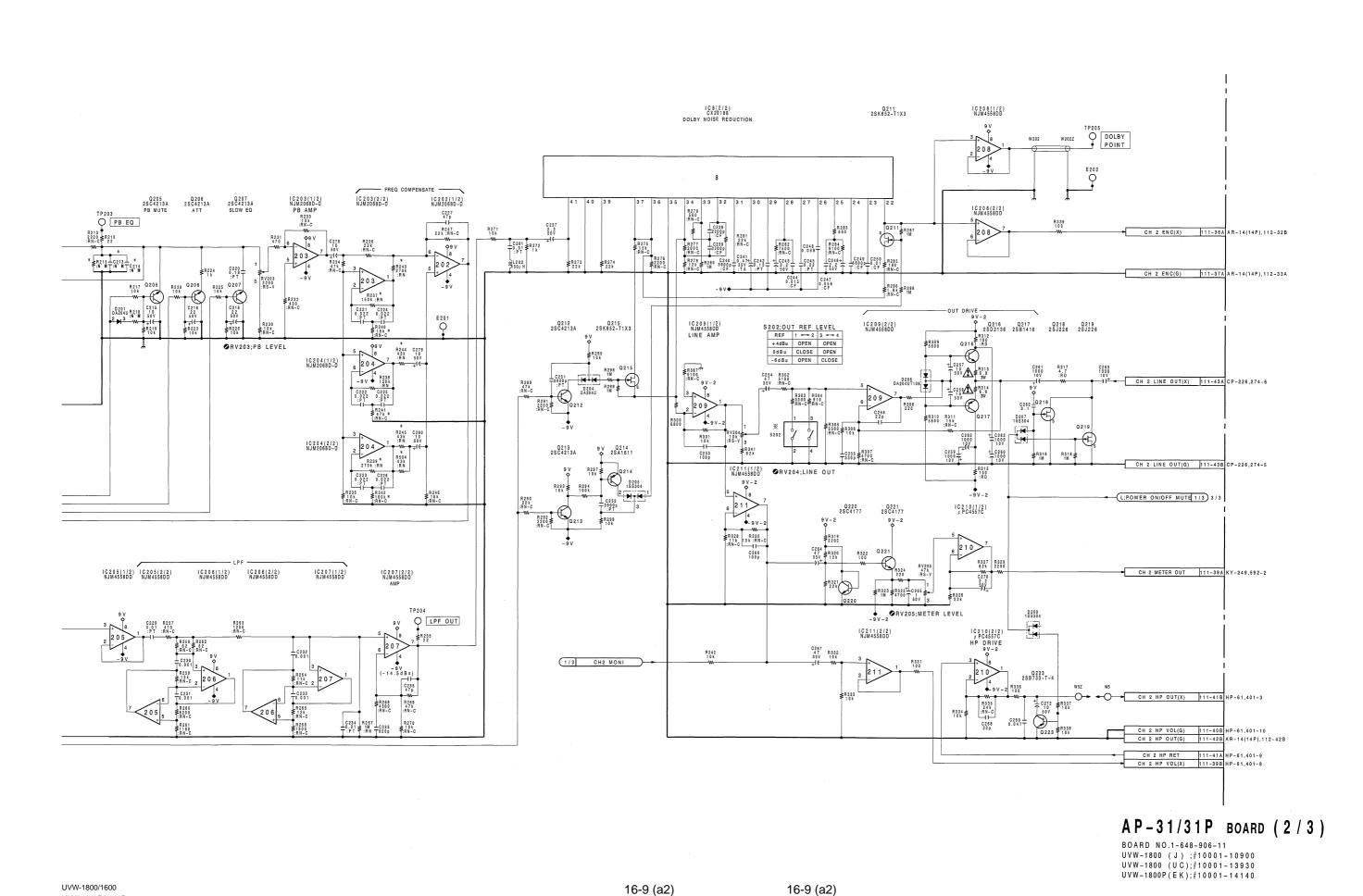
AP-31/31P AP-31/31P (2/3)



16-8 (a) 16-9 (a1) **F** 

UVW-1800/1600 UVW-1800P/1600P **H** 

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UVW-1800P/1600P

AP-31 (1-648-906-11) FS40 FS41 FS43 FS44 FS45 FS46 J-2 B-2 ₩TH1 FS121 FS122 FS123 FS124 FS125 FS126 FS127 FS138 FS139 FS131 FS134 FS134 FS134 FS134 FS134 FS134 FS134 FS144 FS144 FS144 FS145 FS147 FS148 FS151 FS151 FS155 FS155 FS155 FS156 FS157 FS158 FS157 FS158 FS158 FS159 Q2 Q3 \*Q4 \*Q5 \*Q6 \*Q7 \*Q8 \*Q9 22222234442213332255554444334333222122222222344133332255554444222455 CN2 CN3 CN111 A-1 G-4 E-5 **★**TH2 TP1 TP2 TP3 TP4 TP5 TP201 TP202 TP203 TP204 TP205 TP401 TP402 J-1 J-2 G-2 G-1 A-1 B-2 C-2 D-1 G-4 G-5 D-1 \*D1 \*D2 \*D3 \*D5 \*D6 \*D7 \*D8 FS47 FS48 FS49 FS50 FS51 FS52 FS53 FS54 FS55 FS56 FS57 FS61 FS63 FS64 FS65 FS65 FS66 FS67 FS67 FS68 #Q11 #Q12 #Q13 **#**D10 #Q14 #Q15 #Q16 \*D13 \*D15 \*D16 \*Q17 Q18 Q19 Q20 Q21 \*Q22 \*Q23 Q25 \*Q26 \*Q27 Q28 Q29 Q30 \*Q34 \*Q35 \*Q36 \*Q201 Q202 Q203 TP403 \*D201 \*D202 \*D203 \*D204 \*D205 \*D206 FS69 FS70 FS71 FS72 FS73 FS74 FS75 **\***D207 \*D211 \*D401 \*D403 \*D500 FS76 E1 E2 E201 E202 FS77 G-1 B-4 E-1 #Q205 #Q206 FS78 FS79 #Q207 #Q208 #Q209 #Q210 #Q211 #Q212 #Q213 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC15 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC211 IC401 IC402 #IC405 #IC406 #IC407 #IC408 #IC409 #IC408 #IC409 IC210 IC207 IC208 IC209 IC211 IC401 IC40 FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS88 FS89 FS90 FS91 FS92 FS93 FS94 FS96 FS97 FS98 FS99 FS99 #Q213 #Q214 #Q215 Q216 Q217 Q218 Q219 #Q220 #Q221 Q223 #Q224 #Q225 #Q226 #Q401 #Q402 #Q403 FS100 FS101 FS102 FS103 FS104 RV1 RV2 RV3 FS105 FS106 FS107 FS108 FS109 FS110 FS111 H-1 B-1 B-1 B-1 C-1 C-1 RV5 RV201 RV202 RV203 RV204 FS112 FS113 RV205 IC410 FS115 FS116 PS<sub>1</sub> G-5 G-1

# : B SIDE

P: UVW-1800P ONLY

H-4 H-4 H-5

PS2

**#**Q1

G-5

H-1

S201

S202

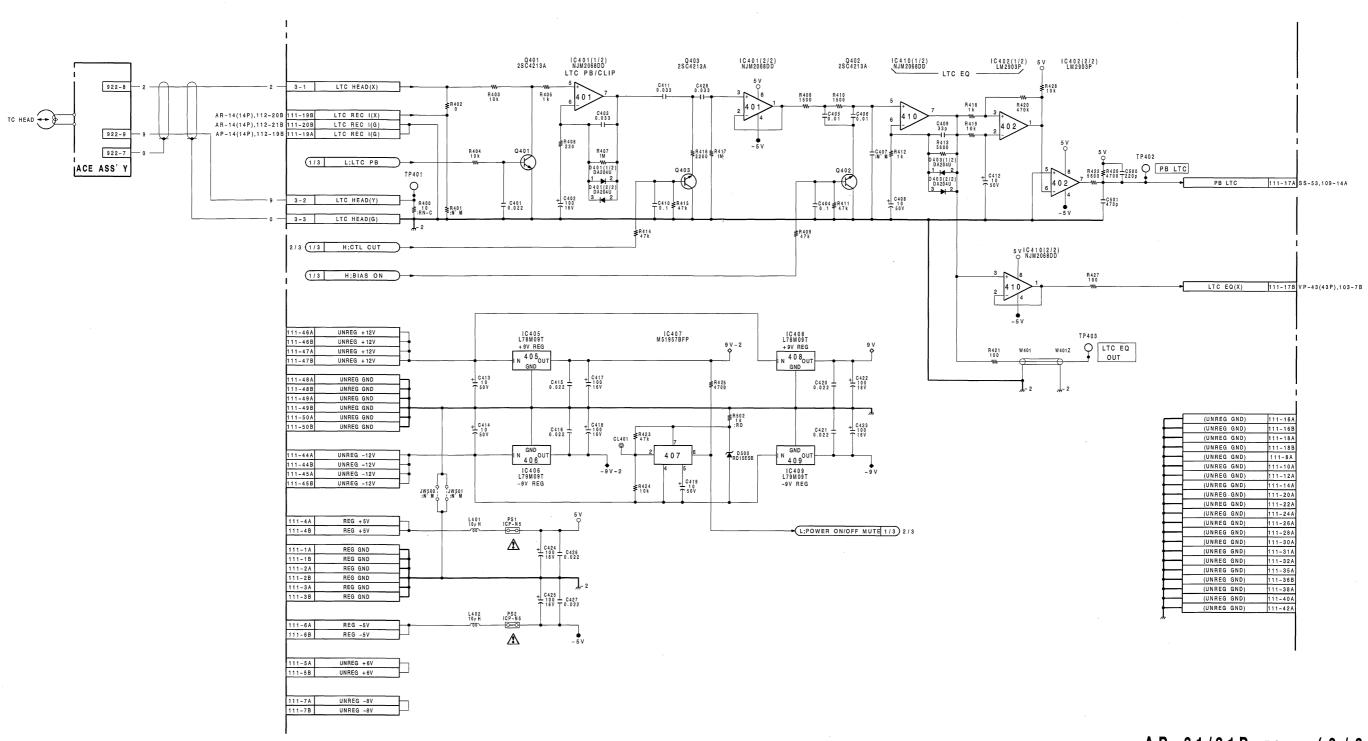
A-1 C-1

FS117

FS118

FS119

AP-31/31P(3/3);LTC PB



AP-31/31P BOARD (3/3)

BOARD NO.1-648-906-11 UVW-1800 (J);#10001-10900 UVW-1800 (UC);#10001-13930 UVW-1800P(EK);#10001-14140

UVW-1800/1600 UVW-1800P/1600P

В

16-13 (a)

D

16-13 (a) **E** 

F

G

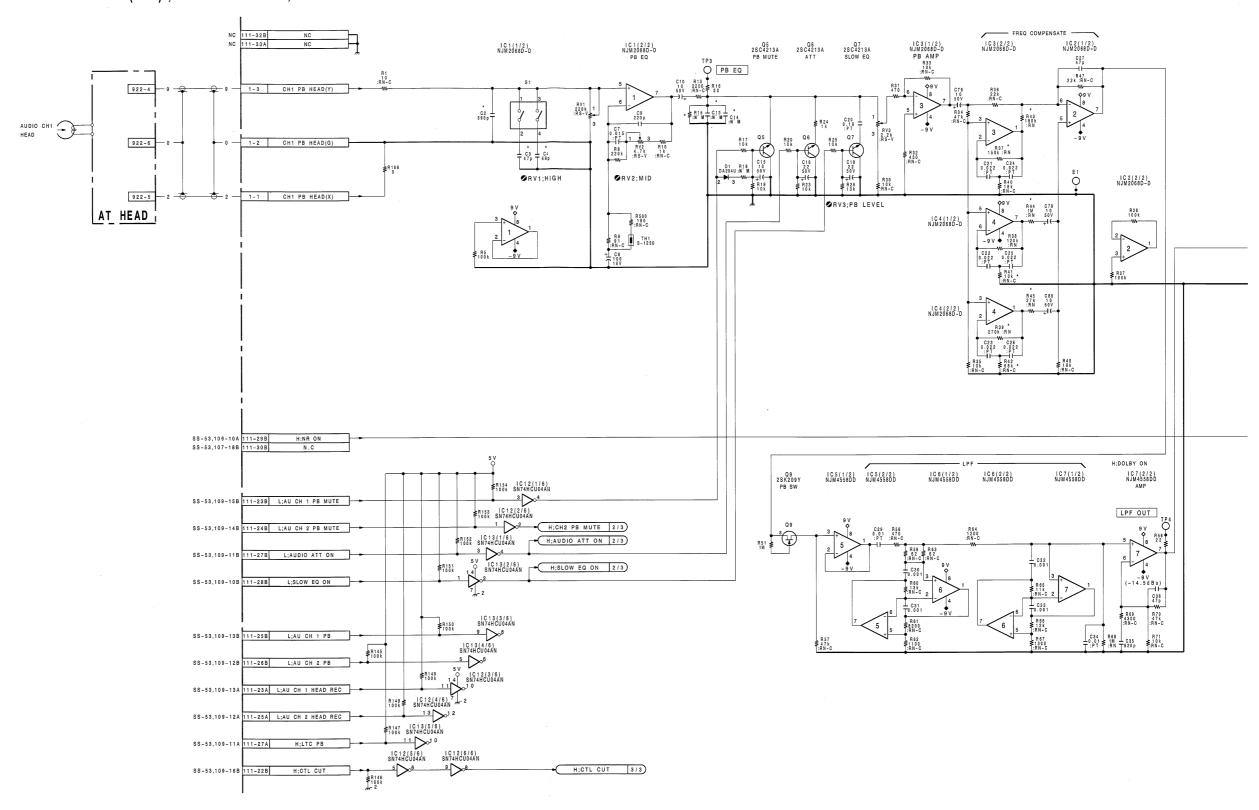
AP-31A (1-648-906-21, 22)

CN1 CN2 CN3 CN111  #D1 #D7 #D8 #D10 #D11 #D206 #D207 #D209 #D401 #D403 #D500  E1 E2 E201 E202 FS1 FS3 FS5 FS6 FS7 FS9 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS20 FS21 FS22 FS28 FS26 FS27 FS28	HAGE JJHGEAABCFFD HGBE AABBABABABAAAAAAABABBBBBBBBBBBBBBBBB	FS63 FS64 FS65 FS66 FS67 FS68 FS69 FS71 FS72 FS73 FS74 FS75 FS77 FS80 FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS89 FS90 FS91 FS90 FS91 FS92 FS90 FS91 FS90 FS91 FS91 FS92 FS91 FS93 FS91 FS93 FS91 FS93 FS94 FS96 FS97 FS97 FS97 FS98 FS99 FS90 FS91 FS91 FS91 FS91 FS91 FS91 FS91 FS91	445555555533344455511111111111112222222222	FS148 FS149 FS1549 FS1550 FS1511 FS152 FS153 FS1554 FS1555 FS156  IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC206 IC207 IC208 IC209 IC210 IC401 IC402 #IC405 #IC406 #IC407 #IC408 #IC407 #IC408 #IC409 IC410 PS1 PS2	J-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	RV1 RV2 RV3 RV4 RV5 RV201 RV203 RV204 RV205 S1 S2 S201 S202 *TH1 *TH2 TP3 TP4 TP5 TP203 TP204 TP205 TP403	J.J.H.H.B.B.B.C.C. J.G.A.C. J.B. J.G.G.B.C.D.G.D.
FS6 FS7 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS20 FS21 FS22 FS23 FS24 FS25 FS26	B-2 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	FS91 FS92 FS93 FS94 FS96 FS97 FS100 FS101 FS103 FS106 FS107 FS108 FS109 FS111 FS111 FS1112 FS1114	G-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC210 IC211 IC401 IC402 #IC405 #IC406 #IC408 #IC409 IC410 PS1	A-4 A-3 B-3 C-4 C-3 C-2 C-4 A-4 F-4 C-5 D-5 D-5 F-5		
				#Q5 #Q6 #Q7 #Q9 #Q11 #Q12 #Q13 Q18 Q19 Q20 Q21 #Q22 #Q23 Q30 #Q205 #Q206 #Q207 #Q209 #Q211 Q216 Q217 Q218 Q219 #Q220 #Q221 Q221 Q223 #Q223 #Q223 #Q223	G-5 2-2-2-4-2-2-1-5-5-5-4-4-4-3-2-2-2-4-1-5-5-5-5-4-4-4-3-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		

#: B SIDE P: UVW-1600P ONLY N: UVW-1600 ONLY

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UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher
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## AP-31A/31AP(1/3); CH-1 PB EQ/NR, LINE/METER/HP DRIVE



16-17 (b1)

16-17 (b1)

UVW-1800/1600 UVW-1800P/1600P

1

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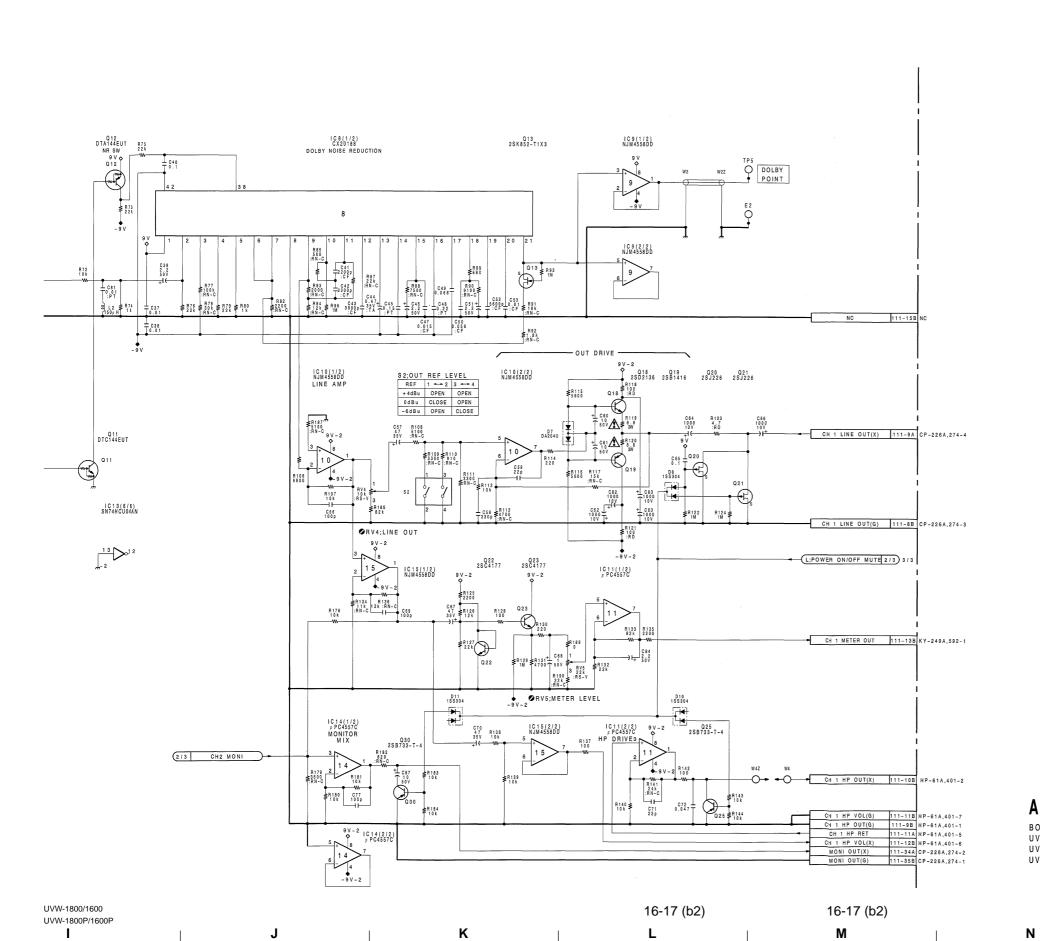
5

В

С

Ε

G



	J,UC	EK
C2	390P	470P
C3	47P	47P
C 4	68P	22P
C13	N' M	6800P(:PT
C14	N' M	3300P
R15	N' M	▲10K
R37	∆150K	∆270K
R39	∆270K	∆430K
R41	▲10K	▲12K
R42	▲68K	▲68K
R43	Δ180K	N' M
R44	Δ 1Μ	Δ270K
R 4 5	Δ27K	△56K

2

△ = :RN ▲ = :RN-C

AP-31A/31AP BOARD (1/3)

BOARD NO.1-648-906-22 UVW-1600 (J); #10601-UVW-1600 (UC); #12901-UVW-1600P(EK); #13781-

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AP-31A (1-648-906-21, 22)
                                                                                                                        FS63
FS64
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FS67
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FS70
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            #D11
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            #D201
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            *D401
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           *D403
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*TH2
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B-2
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FS145
                     FS59
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   # : B SIDE
  P: UVW-1600P ONLY
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N: UVW-1600 ONLY

В С

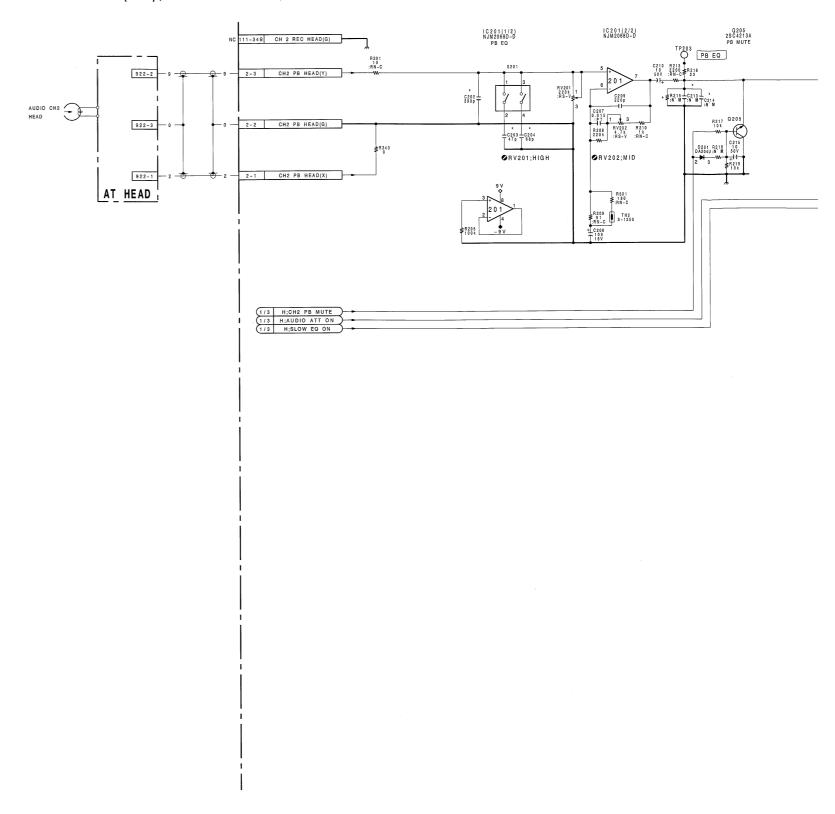
16-20 (b)

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AP-31A/31AP AP-31A/31AP (2/3)

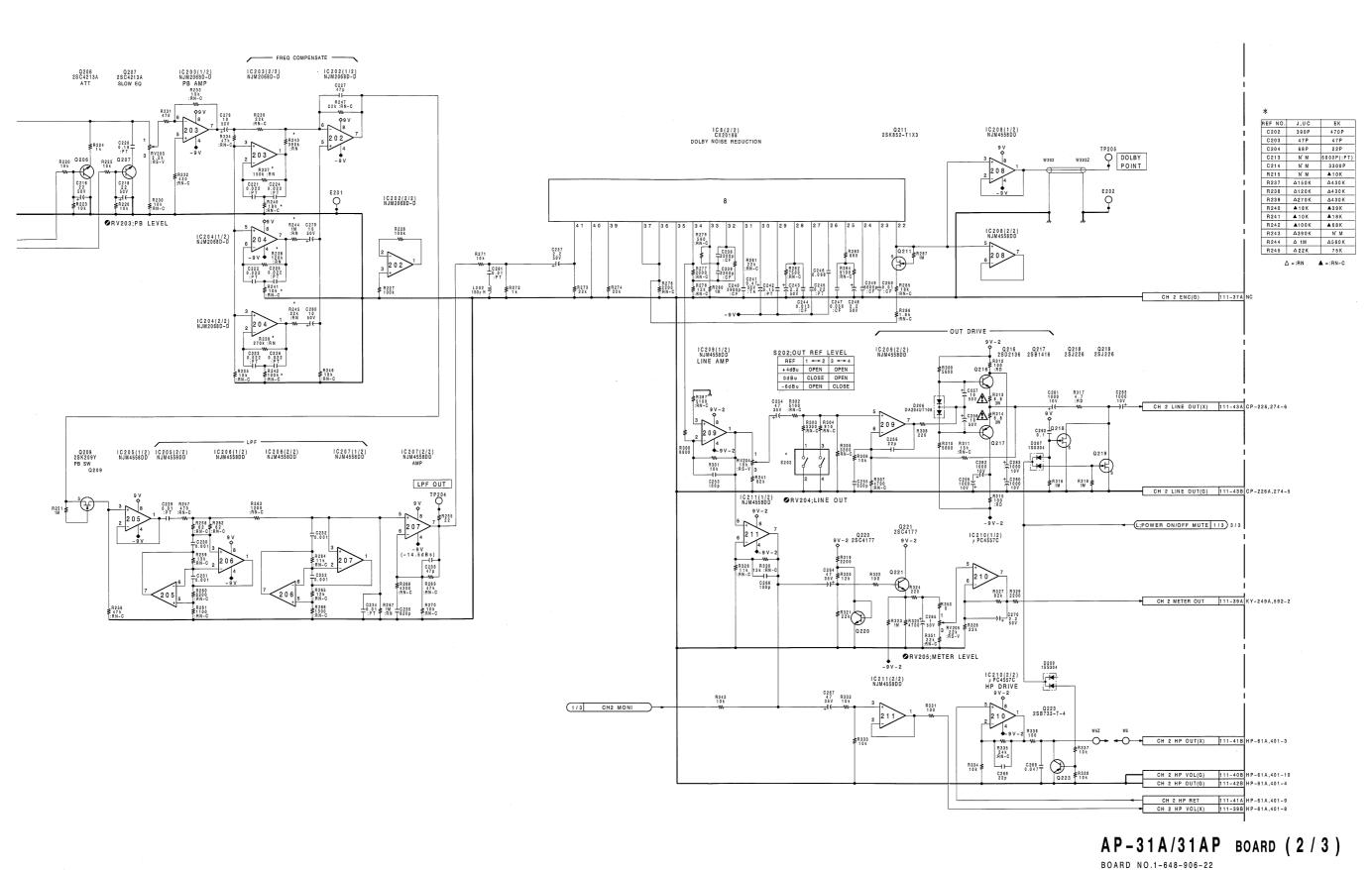
UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher

#### AP-31A/31AP(2/3);CH-2 PB EQ/NR,LINE/METER/HP DRIVE



16-21 (b1)

| E | F | G | H



UVW-1600 (J);#10601-UVW-1600 (UC);#12901-UVW-1600P(EK);#13781-

16-21 (b2) 16-21 (b2)

K | L

UVW-1800/1600

UVW-1800P/1600P

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AP-31A (1-648-906-21, 22)

VI -21V (1-0-	10-900-21	, 22)					
CN1 CN2 CN3 CN111	H-1 A-1 G-4 E-5	FS63 FS64 FS65 FS66 FS67	D-4 B-4 D-5 D-5 D-5	FS148 FS149 FS150 FS151 FS152	J-5 J-5 H-5 H-5 H-5	RV1 RV2 RV3 RV4 RV5	J-1 J-1 J-1 H-1 H-1
*D1 *D7 *D8 *D10 *D11	J-2 J-5 H-5 G-5 E-3	FS68 FS69 FS70 FS71 FS72	E-5 C-5 C-5 E-3 E-3	FS153 FS154 FS155 FS156	G-5 G-5 H-5 H-5	RV201 RV202 RV203 RV204 RV205	B-1 B-1 B-1 C-1 C-1
*D201 *D206 *D207 *D209 *D401 *D403	A-2 A-5 B-5 C-4 F-3 F-5	FS73 FS74 FS75 FS77 FS79 FS80	F-3 E-4 E-4 F-5 F-5	IC1 IC2 IC3 IC4 IC5 IC6	J-2 J-4 J-3 H-3 G-4 G-3	S1 S2 S201 S202	J-1 G-1 A-1 C-1
*D500 F E1 E2 E201	P. D-5 H-4 G-1 B-4	FS81 FS82 FS83 FS84 FS85	H-1 H-1 G-1 G-1 G-1	IC7 IC8 IC9 IC10 IC11	G-3 F-2 G-2 G-2 H-4	*TH1 *TH2 TP3 TP4	J-2 B-2 J-2 G-2
E202  FS1 FS3 FS5 FS6 FS7 FS9 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS19 FS20 FS21 FS22 FS23 FS24 FS25 FS26 FS27	E-1 A-2-2-3-3-3-3-3-4-4-4-5-5-5-5-5-5-5-5-5-5-5-5	FS86 FS87 FS88 FS89 FS90 FS91 FS92 FS93 FS94 FS96 FS97 FS98 FS99 FS100 FS101 FS102 FS103 FS106 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS107 FS108 FS108 FS109 F	G111111122222222223333334444 HHGGGGFHHFFGHHGHHGGGHH	IC12 IC13 IC14 IC15 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC211 IC401 IC402 *IC405 *IC406 *IC407 *IC408 *IC407 *IC408 *IC409 IC410 PS1 PS2	E-5 4 3 4 4 3 3 4 4 4 4 4 4 4 4 5 5 5 5 5	TP5 TP203 TP204 TP205 TP402 TP403	G-1 B-2 C-2 D-1 G-5 D-1
FS28 FS29 FS30 FS31 FS32 FS33 FS34 FS35 FS36 FS39 FS40 FS41 FS43 FS44 FS45 FS46 FS48 FS49 FS50 FS51 FS51 FS51 FS53 FS54 FS56 FS57 FS57 FS57 FS58 FS59 FS61	B-5 B-5 C-1 C-1 C-1 C-2 C-2 C-2 C-2 C-3 C-3 C-3 C-3 C-3 C-4 C-4 C-4 C-4 C-4 C-4 C-4 C-4 C-4 C-4	FS116 FS117 FS118 FS119 FS121 FS122 FS123 FS124 FS125 FS126 FS127 FS128 FS129 FS131 FS135 FS135 FS136 FS137 FS138 FS136 FS137 FS138 FS137 FS141 FS144 FS144 FS144 FS144 FS145 FS147	G + + + 5 5 5 5 5 5 1 1 1 1 2 2 2 3 3 3 3 3 3 3 3 3 4 4 4 4 5 5 5 5 5 5 1 1 1 1 1 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5	*Q5 *Q6 *Q7 *Q9 *Q11 *Q12 *Q13 Q18 Q19 Q20 Q21 *Q22 *Q23 Q25 Q30 *Q205 *Q206 *Q207 *Q209 *Q211 Q216 Q217 Q218 Q219 *Q220 *Q221 *Q223 *Q403	J-2 2 4 4 2 2 1 5 5 5 5 5 4 4 4 4 3 2 2 2 4 4 1 5 5 5 5 5 4 4 4 4 3 8 B E A A C C B B C F .		

#: B SIDE P: UVW-1600P ONLY N: UVW-1600 ONLY

UVW-1800/1600 UVW-1800P/1600P Α

В

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16-25 (b)

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16-25 (b)

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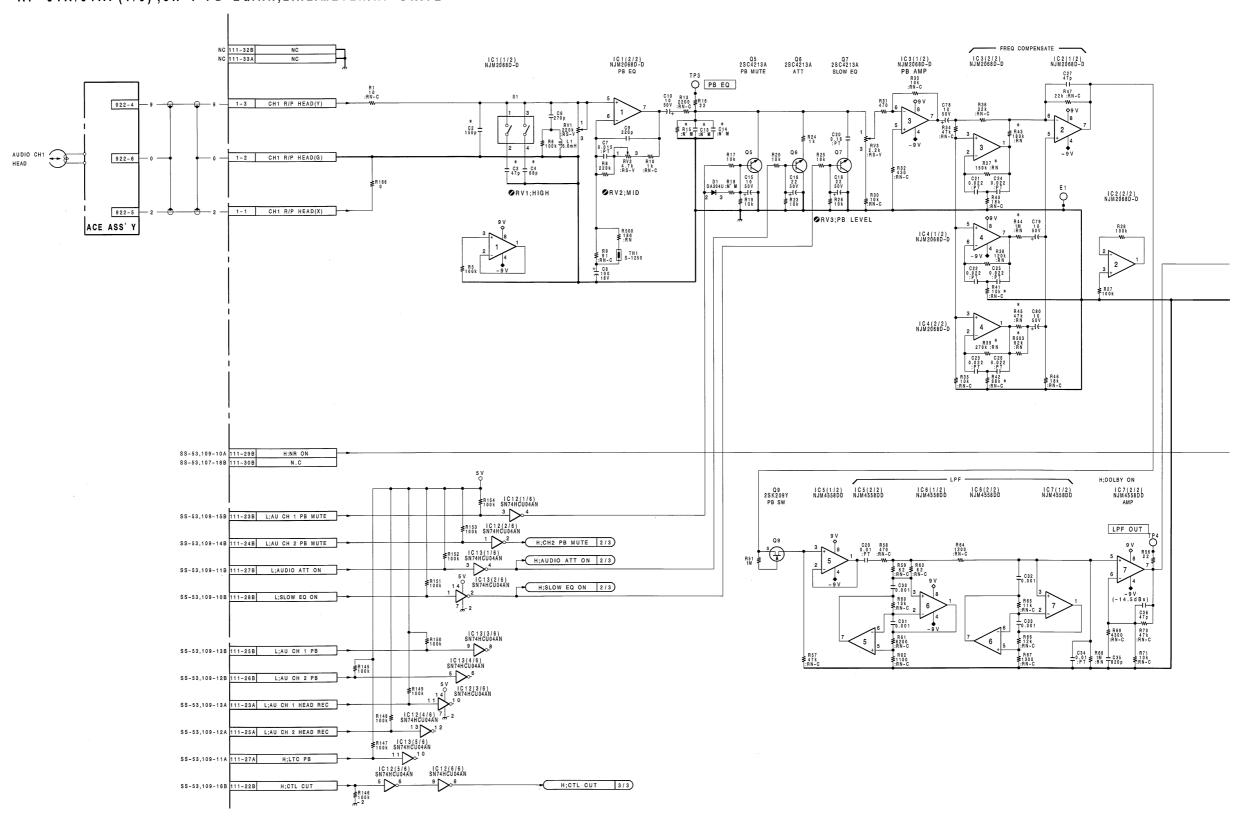
AP-31A (1-648-906-21 22)

F	AP-31A (1-	648	-906-2	1, 22	2)					
	CN1 CN2 CN3 CN111		H-1 A-1 G-4 E-5		FS63 FS64 FS65 FS66	D-4 B-4 D-5 D-5	FS148 FS149 FS150 FS151	J-5 J-5 H-5 H-5	RV1 RV2 RV3 RV4	J-1 J-1 J-1 H-1
	*D1 *D7 *D8 *D10 *D11 *D201 *D206 *D207		J-2 J-5 H-5 G-5 E-3 A-2 A-5 B-5		FS67 FS68 FS69 FS70 FS71 FS72 FS73 FS74 FS75	D-5 E-5 C-5 E-3 E-3 F-3 E-4 E-4	FS152 FS153 FS154 FS155 FS156 IC1 IC2 IC3	H-5 G-5 G-5 H-5 H-5 J-2 J-4 J-3	RV5 RV201 RV202 RV203 RV204 RV205	H-1 B-1 B-1 C-1 C-1 J-1 G-1
	*D209 *D401 *D403 *D500	Р	C-4 F-3 F-5 D-5		FS77 FS79 FS80 FS81	F-4 F-5 F-5 H-1	IC4 IC5 IC6 IC7	H-3 G-4 G-3 G-3	\$201 \$202 <b>#</b> TH1	A-1 C-1 J-2
	E1 E2 E201 E202		H-4 G-1 B-4 E-1		FS82 FS83 FS84 FS85 FS86 FS87	H-1 G-1 G-1 G-1 H-1	IC8 IC9 IC10 IC11 IC12 IC13	F-2 G-2 G-2 H-4 E-5 D-4	*TH2 TP3 TP4 TP5 TP203	B-2 J-2 G-2 G-1 B-2
-	FS1 FS3 FS5 FS6 FS7 FS9 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS19 FS20 FS21 FS22 FS23 FS24 FS25 FS26		1-2-2-2-3-3-3-3-3-3-4-4-4-4-4-5-5-5-5-5-5-5-5-5		FS88 FS89 FS90 FS91 FS92 FS93 FS96 FS97 FS98 FS99 FS100 FS101 FS102 FS103 FS106 FS107 FS107 FS108 FS109 FS111 FS112 FS1114	H-1-1-1-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	IC14 IC15 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC210 IC411 IC401 IC402 *IC405 *IC406 *IC408 *IC409 IC410 PS1	E-3 J-4 A-4 A-3 B-3 C-3 C-2 C-4 A-4 F-4 F-5 D-5 D-5 F-5 G-5	TP204 TP205 TP402 TP403	B-2 C-2 D-1 G-5 D-1
	FS27 FS28 FS29 FS30 FS31 FS32 FS33 FS34 FS35 FS36 FS38 FS40 FS41 FS44 FS45 FS45 FS47 FS48 FS49 FS50 FS51 FS53 FS56 FS57 FS58 FS56		B-5 B-5-1 C-1-1 C-1-1 C-2-2 C-2-2 C-2-2 C-3-3 C-3-3 C-4-4 C-4-4		FS115 FS116 FS117 FS118 FS119 FS121 FS122 FS123 FS124 FS125 FS126 FS127 FS128 FS132 FS133 FS132 FS133 FS133 FS133 FS133 FS134 FS144 FS145 FS144 FS145 FS144 FS145 FS146 FS147	4 4 4 4 5 5 5 5 5 5 1 1 1 1 1 2 2 2 3 3 3 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 5 1 1 1 1 1 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5	PS2 #Q5 #Q6 #Q7 #Q9 #Q11 #Q12 #Q13 Q18 Q19 Q20 Q21 #Q222 #Q23 Q25 Q30 #Q205 #Q205 #Q207 #Q209 #Q211 Q216 Q217 Q218 Q219 #Q220 #Q221 Q223 #Q403	G-5 J-22 H-22 H-25 H-55 H-54 H-44 H-55 H-55 H-54 H-44 H-55 H-55		

#: B SIDE P: UVW-1600P ONLY N: UVW-1600 ONLY

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UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780
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# AP-31A/31AP(1/3); CH-1 PB EQ/NR, LINE/METER/HP DRIVE



16-17 (a1)

16-17 (a1)

UVW-1800/1600 UVW-1800P/1600P

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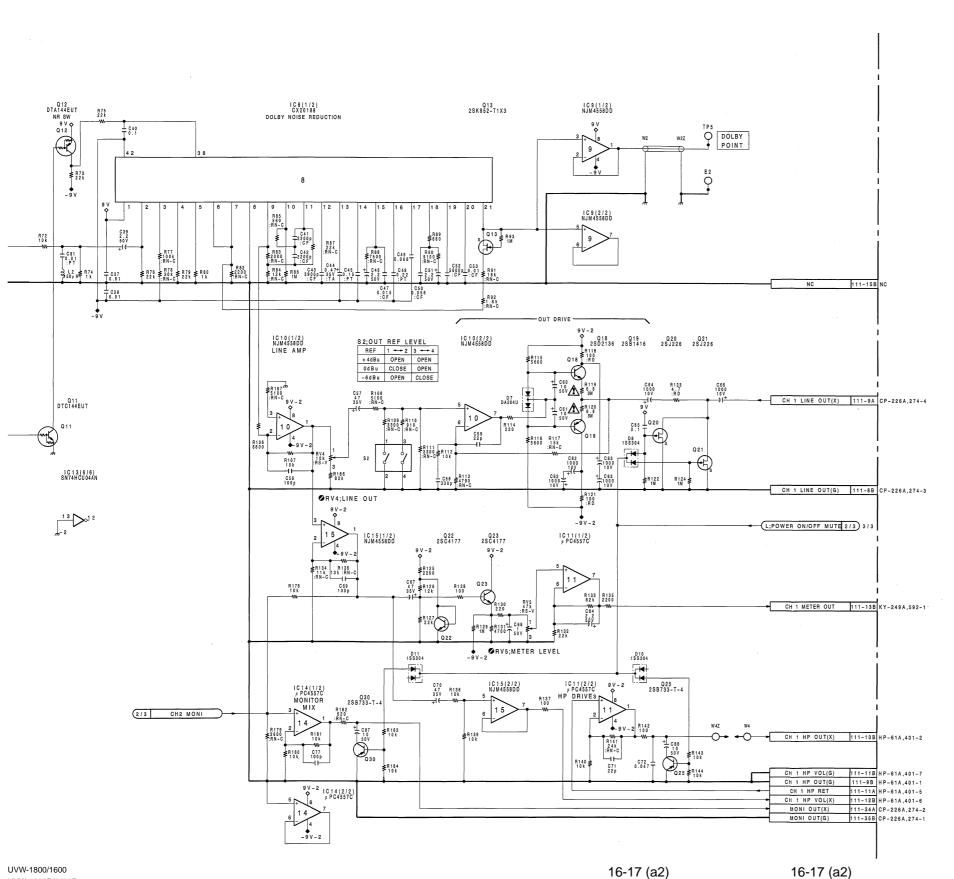
5

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UVW-1800P/1600P

*	J,UC	EK
C2	150P	470P
C3	47P	47P
C 4	68P	22P
C13	N' M	6800F
C14	N' M	3300F
R15	N' M	▲10K
R37	Δ150K	Δ270K
R39	Δ270K	Δ430 K
R41	▲10K	▲12K
R42	▲68K	▲68K
R43	Δ180K	N' M
R44	Δ 1Μ	∆270 K
R 4 5	△47K	△56K
R503	△62K	N' M

AP-31A/31AP BOARD (1/3)

BOARD NO.1-648-906-21 UVW-1600 (J);#10001-10600 UVW-1600 (UC);#10001-12900 UVW-1600P(EK);#10001-13780

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AP-31A (1-648-906-21, 22)
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                   FS58
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                   FS59
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FS147
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                   FS61
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  # : B SIDE
 P: UVW-1600P ONLY
 N: UVW-1600 ONLY
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В

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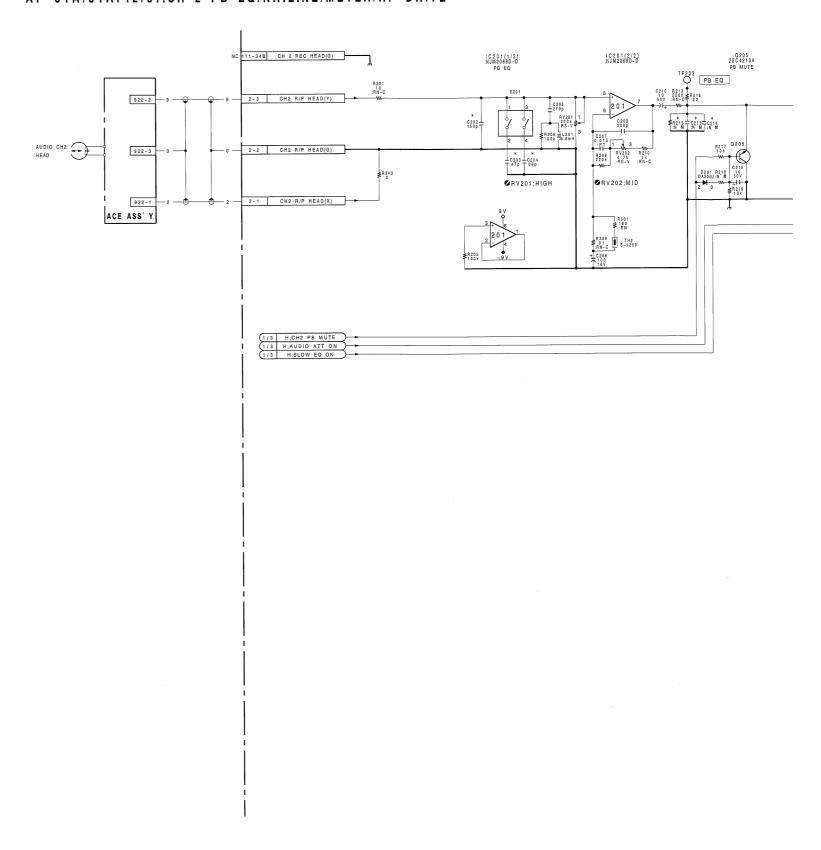
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AP-31A/31AP AP-31A/31AP (2/3)

UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780

#### AP-31A/31AP(2/3):CH-2 PB EQ/NR.LINE/METER/HP DRIVE



16-21 (a1)

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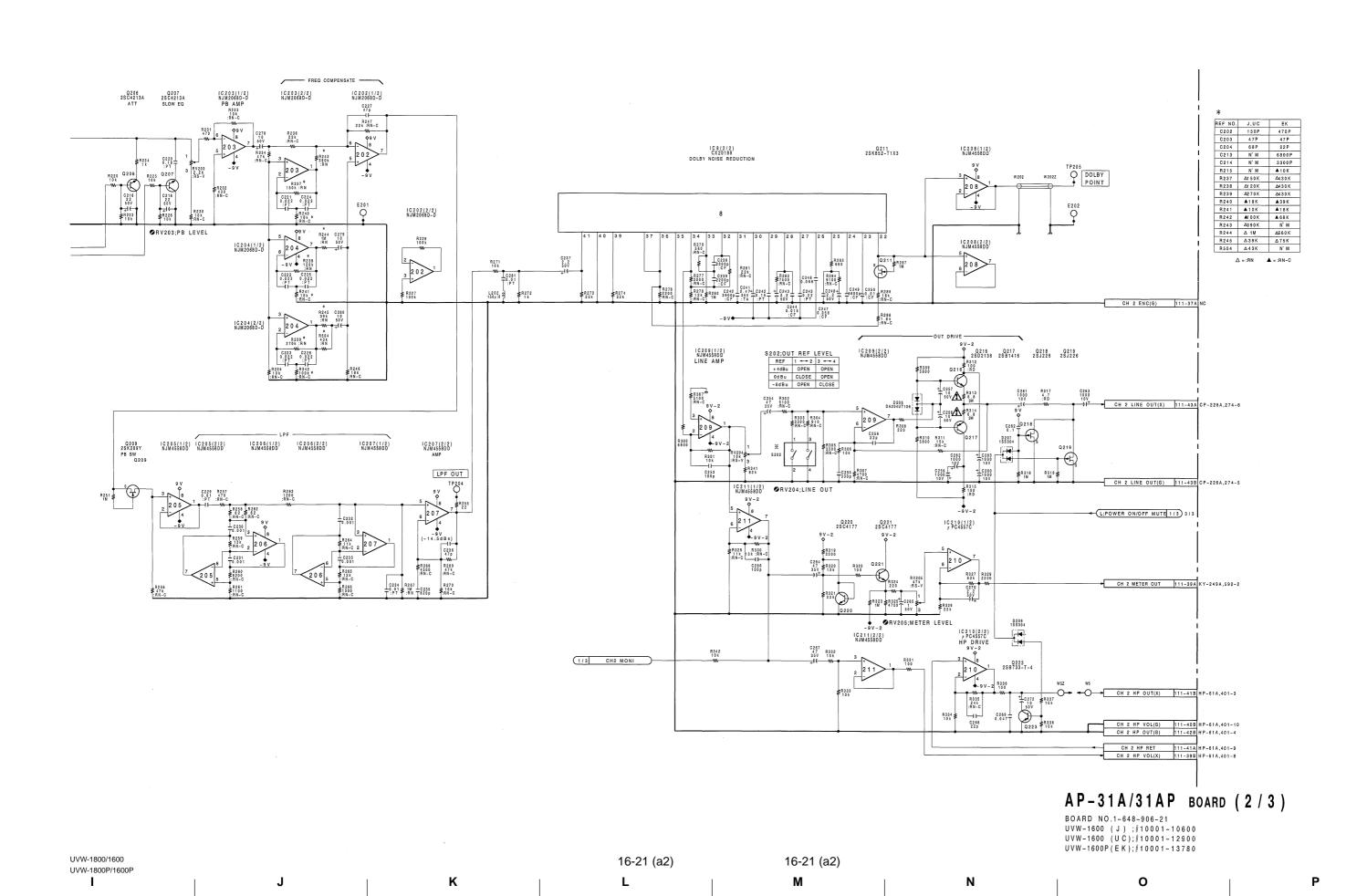
16-20 (a)

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C

UVW-1800/1600 UVW-1800P/1600P

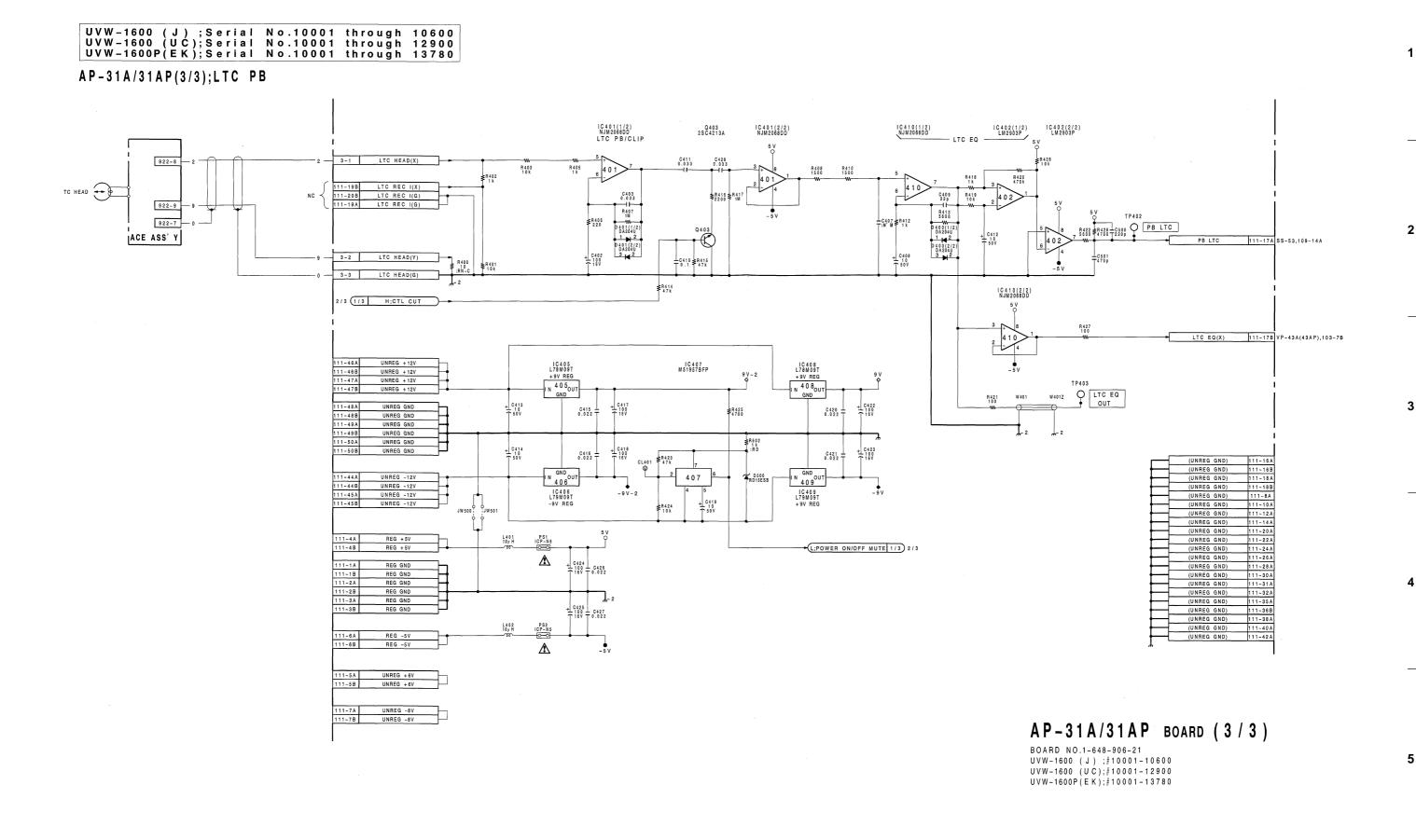
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AP-31A (1-648-906-21, 22)

CN1 CN2 CN3 CN111  *D1 *D7 *D8 *D10 *D201 *D206 *D207 *D209 *D401 *D209 *D401 *D209 *D403 *D500 P E1 E2 E201 E202 FS1 FS3 FS5 FS6 FS7 FS9 FS10 FS11 FS12 FS13 FS14 FS15 FS16 FS17 FS18 FS19 FS20 FS21 FS22 FS23 FS24 FS25 FS26 FS27 FS28 FS29 FS30 FS31 FS32 FS33 FS34 FS35 FS36 FS37 FS38 FS39 FS40	H-41 B-41 A-22 B-33 B-33 B-34 B-44 B-45 B-55 B-55 B-11 11-22 C-12 C-12 C-12 C-12 C-12 C-12	FS63 FS64 FS65 FS66 FS67 FS68 FS69 FS70 FS71 FS72 FS73 FS74 FS75 FS77 FS80 FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS80 FS81 FS82 FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS80 FS81 FS81 FS82 FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS81 FS81 FS82 FS81 FS82 FS81 FS82 FS83 FS84 FS85 FS86 FS87 FS80 FS81 FS81 FS82 FS83 FS84 FS86 FS87 FS80 FS91 FS92 FS93 FS90 FS91 FS92 FS93 FS90 FS91 FS92 FS93 FS90 FS91 FS92 FS97 FS98 FS99 FS90 FS91 FS90 FS91 FS92 FS93 FS90 FS91 FS92 FS97 FS98 FS99 FS100 FS101 FS102 FS103 FS106 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS118 FS119 FS117 FS118 FS117 FS118 FS117 FS118 FS118 FS118 FS119 FS117 FS117 FS118 FS118 FS119 FS117 FS118 FS117 FS118 FS117 FS118 FS117 FS118 FS118 FS119 FS117 FS117 FS117 FS118 FS117 FS118 FS117 FS118 FS118 FS119 FS117 FS118 FS118 FS118 FS119 FS117 FS118 FS118 FS119 FS117 FS118 FS1	4455555555999444455777777777777792222222222	FS148 FS149 FS150 FS151 FS152 FS153 FS154 FS155 FS156 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC210 IC402 IC208 IC209 IC210 IC402 FC406 FC406 FC407 FC406 FC407 FC406 FC407 FC408 FC407 FC408 FC406 FC407 FC408 FC406 FC407 FC408 FC407 FC408 FC407 FC408 FC406 FC407 FC408 FC407 FC408 FC407 FC408 FC408 FC408 FC407 FC408	J.J.H.H.G.G.H.H. J.J.J.H.G.G.G.F.G.G.H.E.D.E.J.A.A.A.B.C.C.C.C.C.A.F.F.C.D.D.C.D.F. G.G. J.J.J.H.C.E.E.J.J.H.H.	RV1 RV2 RV3 RV4 RV5 RV201 RV202 RV203 RV204 RV205 S1 S2 S201 S202 *TH1 *TH2 TP3 TP4 TP5 TP203 TP204 TP205 TP402 TP403	J-1 J-1 J-1 H-1 H-1 B-1 C-1 J-2 B-2 C-2 D-1 D-1
FS27 FS28 FS29 FS30 FS31 FS32 FS33 FS34 FS35 FS36 FS38 FS39	B-5 B-5 B-5 C-1 C-1 C-1 C-1 C-1 C-2 C-2	FS115 FS116 FS117 FS118 FS119 FS121 FS122 FS123 FS124 FS125 FS126 FS127	H-4 G-4 H-4 H-5 G-5 H-5 H-1 J-1	PS2 #Q5 #Q6 #Q7 #Q9 #Q11 #Q12 #Q13 Q18 Q19 Q20	G-5 J-2 J-2 H-4 C-2 E-2 E-1 J-5 H-5		

#: B SIDE P: UVW-1600P ONLY N: UVW-1600 ONLY



UVW-1800/1600 UVW-1800P/1600P

A B C D E F G G

AR-14 (1-648-907-12) FS124 FS125 FS126 FS127 CN1 CN112 J-5 E-5 FS44 FS45 FS46 \*Q3 \*Q4 \*Q5 H-2 H-2 H-2 H-4 FS47 FS48 FS49 FS50 FS51 FS52 #Q101 \*Q103 Q104 Q105 \*Q201 \*Q202 FS130 \*D103 \*D201 \*D202 FS131 FS132 FS133 FS134 FS54 FS55 FS56 FS57 FS58 FS59 **\***D203 FS135 #Q203 \*D302 \*D303 \*D304 \*D305 FS136 FS137 FS138 FS139 FS140 FS141 Q204 Q205 #Q301 Q302 #Q303 Q304 Q305 **#**D306 FS60

J-1 J-2 J-2 J-2 J-3 J-5 J-1 J-1 J-2 J-3 J-3 J-4 E-1 J-4 E-1 J-4 FS61 FS62 FS63 FS64 FS65 FS66 FS141 FS142 FS143 FS144 FS145 FS146 FS147 FS148 FS149 \*D313 \*D314 \*D321 \*D322 \*D323 Q306 #Q311 Q312 #Q313 #Q314 **\***D324 FS69 **#**Q315 \*D331 \*D332 \*D334 Q316 FS150 FS152 FS153 FS154 FS155 FS156 Q317 #Q318 Q319 #Q321 Q322 #Q323 FS72 FS73 FS74 FS76 E106 E206 E301 E311 H-1 A-1 FS77 J-1 J-1 FS78 #Q324 IC1 IC2 IC3 IC5 IC6 IC7 IC101 #Q324 #Q325 Q326 Q327 #Q328 Q329 #Q331 E-4 E-2 D-5 B-5 C-5 J-2 J-2 G-2 F-2 FS80 FS81 FS82 FS83 FS84 FS86 FS87 FS88 FS90 FS91 FS92 FS93 FS94 FS95 FS96 FS96 FS97 FS98 FS99 FS100 FS100 FS101 FS102 FS1 FS2 FS3 FS4 FS5 FS6 FS7 FS8 FS9 FS10 FS11 FS12 FS13 FS14 FS15 #Q333 #Q334 #Q335 Q336 F-3 H-4 H-5 H-4 H-5 G-5 IC102 IC103 IC104 IC105 IC201 IC202 IC203 IC204 IC205 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC310 IC311 IC312 IC313 IC314 IC315 IC316 Q337 Q339 RV106 RV107 RV108 J-1 H-1 H-1 G-1 F-1 C-1 C-1 B-1 B-1 D-1 G-1 F-1 B-4 RV110 RV111 RV112 RV206 RV207 RV208 RV209 FS103 FS104 FS105 RV210 FS106 FS107 RV211 RV212 FS108 FS109 FS110 RV301 RV302 RY301 RY311 FS111 J-3 FS112 J-2 LV101 LV201 LV301 LV311 LV321 C-2 A-2 J-4 J-3 J-5 FS113 FS114 FS115 FS116 S203 A-1 FS117 TP106 H-1 FS118 TP206 PS1 PS2 H-5 H-5 FS120 TP311 J-1 J-1 FS121 FS122 TP321 #Q1 #Q2 E-5 H-1 FS123 FS43 E-5 X301 D-3

# : B SIDE

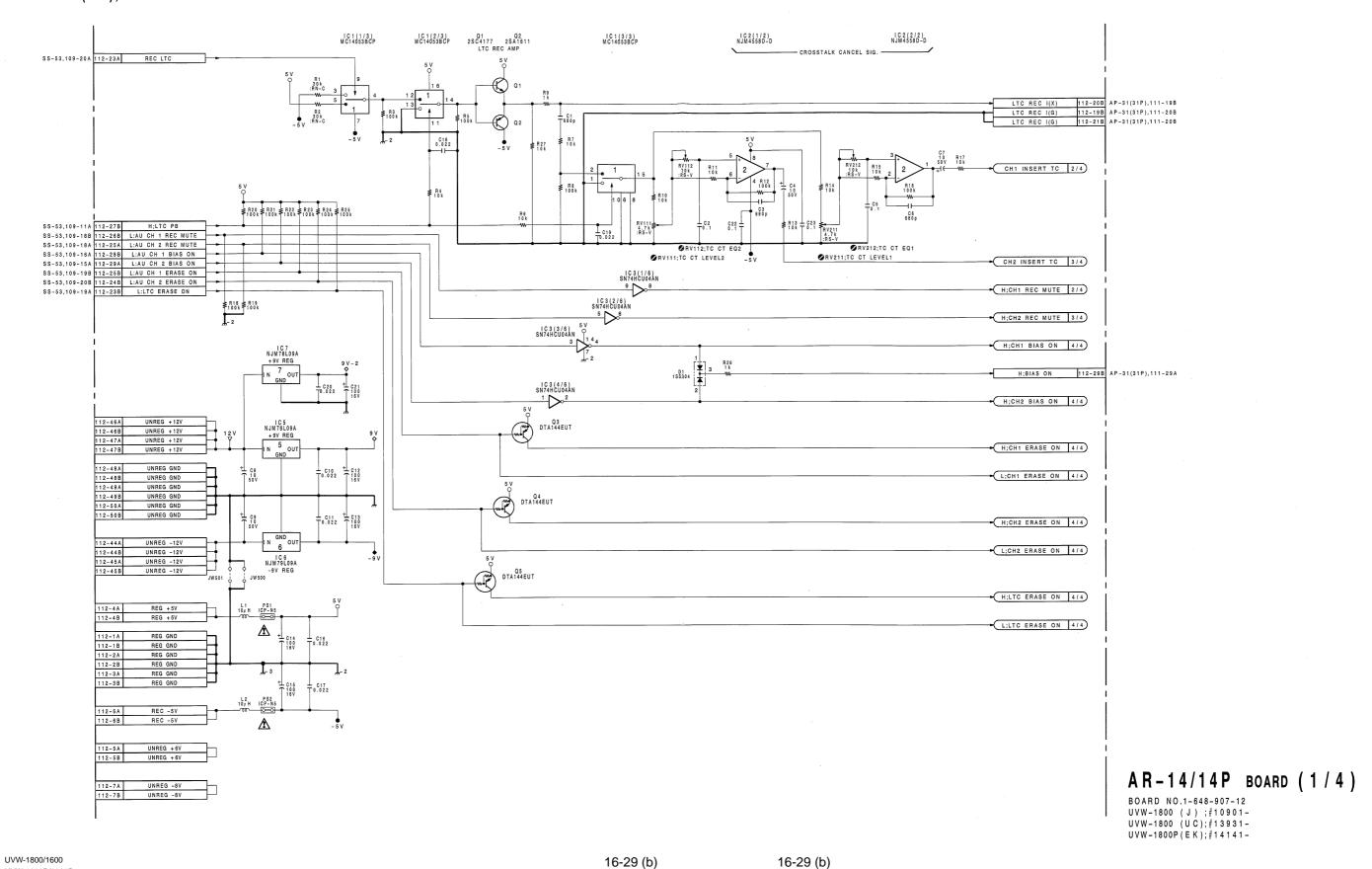
## AR-14/14P(1/4);LTC REC/CANCEL CROSSTALK SIG.

UVW-1800P/1600P

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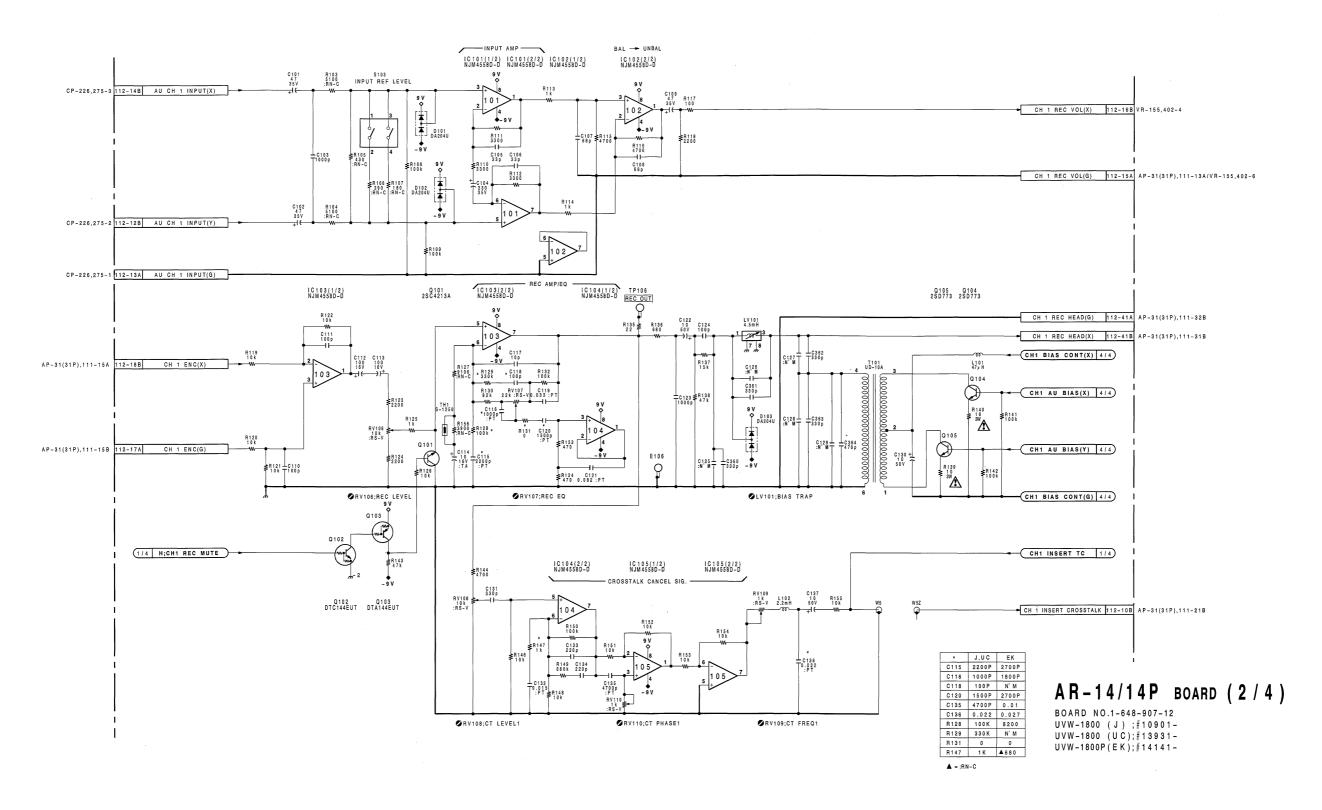
AR-14 (1-648-907-12)

CN1 CN112	J-5 E-5	FS44 FS45	C-3 C-3	FS124 FS125	J-1 H-2	#Q3 #Q4	E-5 E-5
<b>#</b> D1	D-5	FS46 FS47	C-3	FS126	H-2	#Q5	F-5
₩D101	J-2	FS48	C-3 C-3	FS127 FS128	H-2 H-4	#Q101 #Q102	G-1 E-4
<b>*</b> D102	J-1	FS49	C-4	FS130	J-1	#Q103	G-2
*D103 *D201	C-3 A-2	FS50 FS51	C-4 C-5	FS131 FS132	J-1 J-2	Q104 Q105	C-4 B-4
*D202	A-1	FS52	D-1	FS133	J-2	<b>#</b> Q201	C-1
*D203 *D301	A-3 C-5	FS54 FS55	D-3 D-3	FS134 FS135	J-2 H-2	#Q202 #Q203	E-4 C-1
<b>*</b> D302	D-4	FS56	D-3	FS136	J-2	Q204	A-4
*D303 *D304	B-3 B-5	FS57 FS58	D-4 D-4	FS137 FS138	J-2 J-3	Q205 <b>#</b> Q301	A-4 B-3
*D305	B-3	FS59	D-4	FS139	J-3	Q302	C-5
*D306 *D311	A-5 G-4	FS60 FS61	D-5 D-1	FS140 FS141	J-5 J-5	#Q303 Q304	B-3 A-5
*D312 *D313	G-4 J-3	FS62 FS63	E-1 D-3	FS142 FS143	J-1 J-1	Q305 Q306	C-5 A-5
<b>#</b> D314	F-3	FS64	E-3	FS144	J-1	#Q311	F-3
*D321 *D322	G-3 G-3	FS65 FS66	E-3 D-4	FS145 FS146	J-2 J-2	Q312 #Q313	G-4 F-2
*D322	J-2	FS68	E-4	FS146 FS147	J-2 J-2	#Q314	H-4
*D324 *D331	E-4 G-5	FS69 FS70	D-4	FS148	J-3 J-3	#Q315	H-4 H-3
*D332	G-5	FS72	D-4 E-1	FS149 FS150	J-3 J-4	Q316 Q317	H-4
<b>₩</b> D334	E-4	FS73 FS74	E-2 E-3	FS152	H-2 E-1	#Q318 Q319	J-3 G-4
E106	H-1	FS76	E-3	FS153 FS154	F-1	#Q321	G-3
E206 E301	A-1 J-1	FS77 FS78	F-3 E-4	FS155 FS156	J-5 J-4	Q322 <b>#</b> Q323	G-2 E-3
E311	J-1	FS79	E-4			#Q324	H-2
FS1	<b>A-1</b>	FS80 FS81	F-4 E-5	IC1 IC2	E-4 E-2	#Q325 Q326	H-3 H-2
FS2	A-1	FS82	E-5	IC3	D-5	Q327	H-3
FS3 FS4	A-1 A-2	FS83 FS84	F-1 F-1	IC5 IC6	B-5 B-5	#Q328 Q329	J-2 G-2
FS5	A-2	FS85	F-1	IC7	C-5	#Q331	F-5
FS6 FS7	A-5 A-2	FS86 FS87	F-1 F-1	IC101 IC102	J-2 J-2	Q332 <b>#</b> Q333	G-5 F-3
FS8	A-2	FS88	F-2	IC103	H-2	#Q334	H-4
FS9 FS10	A-2 A-5	FS89 FS90	F-2 F-2	IC104 IC105	G-2 F-2	#Q335 Q336	H-5 H-4
FS11 FS12	A-5	FS91 FS92	F-3	IC201	A-2	Q337	H-5
FS12	A-5 B-1	FS93	F-3 F-3	IC202 IC203	B-2 C-2	Q339	G-5
FS14 FS15	B-2 B-5	FS94 FS95	F-4 F-4	IC204 IC205	D-2 E-2	RV106 RV107	J-1 H-1
FS16	B-5	FS96	F-4	IC301	D-3	RV107	H-1
FS17 FS18	A-5 A-5	FS97 FS98	F-4 F-5	IC302 IC303	D-4 C-4	RV109 RV110	G-1 F-1
FS19	A-5	FS99	F-5	IC304	C-3	RV111	C-1
FS20 FS21	B-1 B-2	FS100 FS101	F-5 F-5	IC305 IC306	D-3 C-3	RV112 RV206	C-1 A-1
FS22	B-2	FS102	F-5	IC307	C-5	RV207	B-1
FS23 FS24	B-3 B-3	FS103 FS104	F-5 F-5	IC308 IC309	C-4 B-5	RV208 RV209	B-1 B-1
FS25	B-4	FS105	F-5	IC310	G-3	RV210	D-1
FS26 FS27	B-5 B-1	FS106 FS107	F-5 G-1	IC311 IC312	E-3 E-4	RV211 RV212	G-1 F-1
FS28	B-2	FS108	G-1	IC313	G-5	RV301	B-4
FS29 FS30	C-2 B-5	FS109 FS110	G-2 G-2	IC314 IC315	E-3 J-3	RV302	B-4
FS31	B-5	FS111	G-2	IC316	J-5	RY301	J-3
FS32 FS33	B-5 B-5	FS112 FS113	G-2 G-3	LV101	C-2	RY311	J-2
FS34	C-1	FS114	G-3	LV201	A-2	S103	J-1
FS35 FS36	C-2 C-2	FS115 FS116	G-3 G-4	LV301 LV311	J-4 J-3	S203	A-1
FS37	C-5	FS117	G-4	LV321	J-5	TP106	H-1
FS38 FS39	C-5 C-5	FS118 FS119	G-4 G-5	PS1	H-5	TP206 TP301	A-1 J-1
FS40	C-1	FS120	G-5	PS2	H-5	TP311	J-1
FS41 FS42	C-1 C-2	FS121 FS122	G-5 H-1	<b>#</b> Q1	E-5	TP321	J-1
FS43	C-2	FS123	H-1	#Q2	E-5	X301	D-3
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# : B SIDE

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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher
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AR-14/14P(2/4); CH-1 REC/BIAS DRIVE, CH-1 CANCEL CROSSTALK SIG.



UVW-1800/1600 UVW-1800P/1600P

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D 16-33 (b) **E** 

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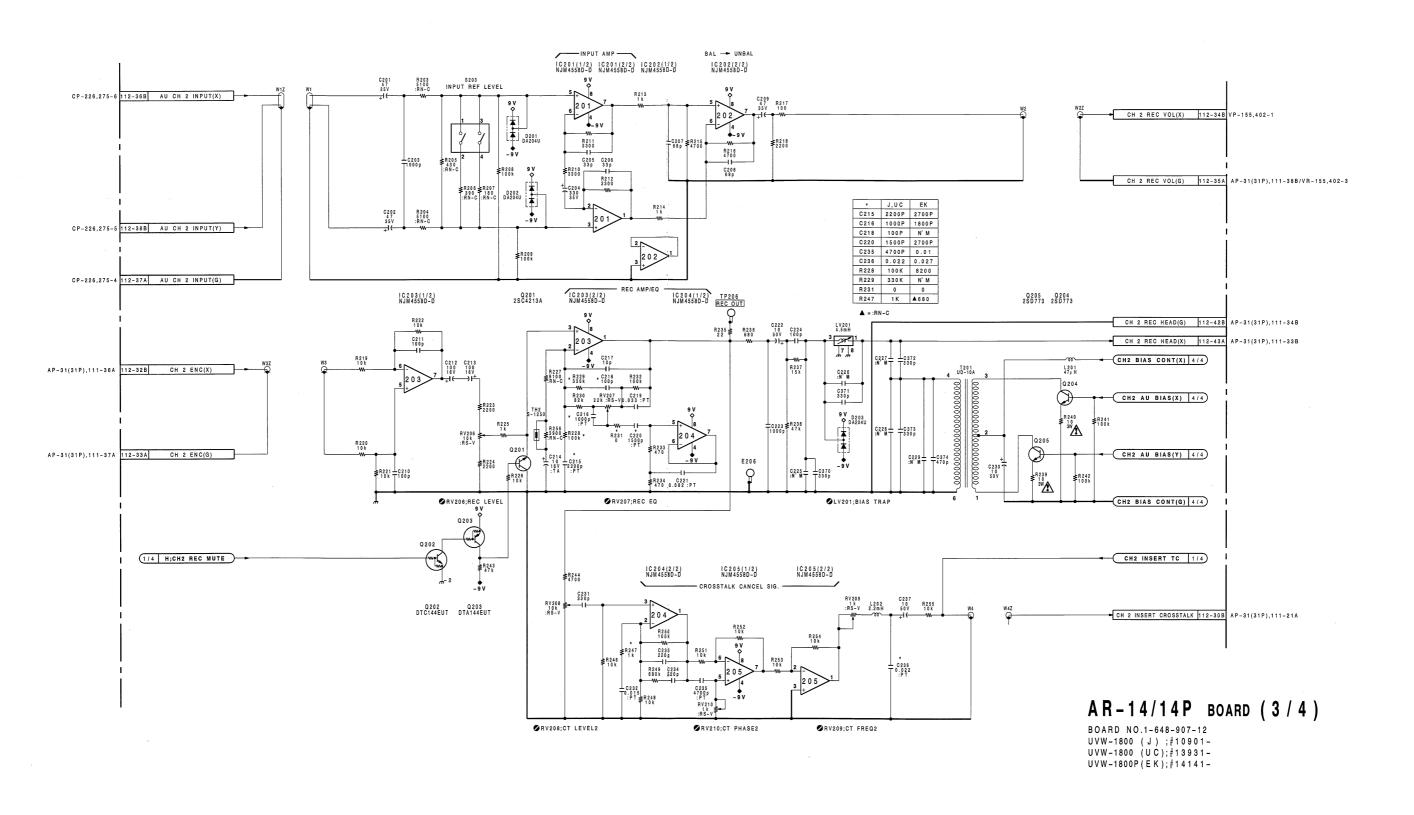
AR-14 (1-648-907-1	2)
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CN1 CN112	J-5 E-5	FS44 FS45	C-3 C-3	FS124 FS125	J-1 H-2	#Q3 #Q4	E-5 E-5
<b>#</b> D1	D-5	FS46 FS47	C-3 C-3	FS126 FS127	H-2 H-2	#Q5 #Q101	F-5 G-1
*D101 *D102	J-2 J-1	FS48 FS49	C-3 C-4	FS128 FS130	H-4 J-1	#Q102 #Q103	E-4 G-2
#D103 #D201	C-3 A-2	FS50 FS51	C-4 C-5	FS131	J-1	Q104	C-4
<b>₩</b> D202	A-1	FS52	D-1	FS132 FS133	J-2 J-2	Q105 #Q201	B-4 C-1
*D203 *D301	A-3 C-5	FS54 FS55	D-3 D-3	FS134 FS135	J-2 H-2	#Q202 #Q203	E-4 C-1
<b>₩</b> D302	D-4	FS56	D-3	FS136	J-2	Q204	A-4
*D303 *D304	B-3 B-5	FS57 FS58	D-4 D-4	FS137 FS138	J-2 J-3	Q205 #Q301	A-4 B-3
*D305 *D306	B-3 A-5	FS59 FS60	D-4 D-5	FS139 FS140	J-3 J-5	Q302 #Q303	C-5 B-3
<b>₩</b> D311	G-4	FS61	D-1	FS141	J-5	Q304	A-5
*D312 *D313	G-4 J-3	FS62 FS63	E-1 D-3	FS142 FS143	J-1 J-1	Q305 Q306	C-5 A-5
<b>#</b> D314 <b>#</b> D321	F-3 G-3	FS64 FS65	E-3	FS144	J-1	#Q311	F-3
<b>*</b> D322	G-3	FS66	E-3 D-4	FS145 FS146	J-2 J-2	Q312 #Q313	G-4 <b>₹</b> -2
*D323 *D324	J-2 E-4	FS68 FS69	E-4 D-4	FS147 FS148	J-2 J-3	#Q314 #Q315	H-4 H-4
<b>₩</b> D331	G-5	FS70	D-4	FS149	J-3	Q316	H-3
#D332 #D334	G-5 E-4	FS72 FS73	E-1 E-2	FS150 FS152	J-4 H-2	Q317 <b>#</b> Q318	H-4 J-3
E106	H-1	FS74 FS76	E-3 E-3	FS153 FS154	E-1 F-1	Q319	G-4 G-3
E206	A-1	FS77	F-3	FS155	J-5	#Q321 Q322	G-2
E301 E311	J-1 J-1	FS78 FS79	E-4 E-4	FS156	J-4	#Q323 #Q324	E-3 H-2
FS1	A-1	FS80 FS81	F-4 E-5	IC1	E-4	#Q325	H-3
FS2	A-1	FS82	E-5	IC2 IC3	E-2 D-5	Q326 Q327	H-2 H-3
FS3 FS4	A-1 A-2	FS83 FS84	F-1 F-1	IC5 IC6	B-5 B-5	<b>#</b> Q328 Q329	J-2 G-2
FS5 FS6	A-2	FS85 FS86	F-1	IC7	C-5	#Q331	F-5
FS7	A-5 A-2	FS87	F-1 F-1	IC101 IC102	J-2 J-2	Q332 <b>*</b> Q333	G-5 F-3
FS8 FS9	A-2 A-2	FS88 FS89	F-2 F-2	IC103 IC104	H-2 G-2	<b>*</b> Q334 <b>*</b> Q335	H-4 H-5
FS10	A-5	FS90	F-2	IC105	F-2	Q336	H-4
FS11 FS12	A-5 A-5	FS91 FS92	F-3 F-3	IC201 IC202	A-2 B-2	Q337 Q339	H-5 G-5
FS13 FS14	B-1 B-2	FS93 FS94	F-3 F-4	IC203 IC204	C-2 D-2	RV106	J-1
FS15 FS16	B-5	FS95	F-4	IC205	E-2	RV107	H-1
FS17	B-5 A-5	FS96 FS97	F-4 F-4	IC301 IC302	D-3 D-4	RV108 RV109	H-1 G-1
FS18 FS19	A-5 A-5	FS98 FS99	F-5 F-5	IC303 IC304	C-4 C-3	RV110 RV111	F-1 C-1
FS20	B-1	FS100	F-5	IC305	D-3	RV112	C-1
FS21 FS22	B-2 B-2	FS101 FS102	F-5 F-5	IC306 IC307	C-3 C-5	RV206 RV207	A-1 B-1
FS23 FS24	B-3 B-3	FS103 FS104	F-5 F-5	IC308 IC309	C-4 B-5	RV208 RV209	B-1 B-1
FS25	B-4	FS105	F-5	IC310	G-3	RV210	D-1
FS26 FS27	B-5 B-1	FS106 FS107	F-5 G-1	IC311 IC312	E-3 E-4	RV211 RV212	G-1 F-1
FS28 FS29	B-2 C-2	FS108 FS109	G-1	IC313	G-5	RV301	B-4
FS30	B-5	FS110	G-2 G-2	IC314 IC315	E-3 J-3	RV302	B-4
FS31 FS32	B-5 B-5	FS111 FS112	G-2 G-2	IC316	J-5	RY301 RY311	J-3 J-2
FS33	B-5	FS113	G-3	LV101	C-2		
FS34 FS35	C-1 C-2	FS114 FS115	G-3 G-3	LV201 LV301	A-2 J-4	S103 S203	J-1 A-1
FS36 FS37	C-2 C-5	FS116 FS117	G-4 G-4	LV311 LV321	J-3 J-5	TP106	H-1
FS38	C-5	FS118	G-4			TP206	<b>A-1</b>
FS39 FS40	C-5 C-1	FS119 FS120	G-5 G-5	PS1 PS2	H-5 H-5	TP301 TP311	J-1 J-1
FS41 FS42	C-1 C-2	FS121 FS122	G-5 H-1	#Q1	E-5	TP321	J-1
FS43	C-2	FS123	H-1	#Q2	E-5	X301	D-3

# : B SIDE

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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher
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AR-14/14P(3/4);CH-2 REC/BIAS DRIVE,CH-2 CANCEL CROSSTALK SIG.



UVW-1800/1600 UVW-1800P/1600P Α

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16-37 (b) Ε

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AR-14 (1-648-907-12)
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FS49
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#Q5
   CN112
                E-5
                                                          FS125
                                                          FS126
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C-1
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B-3
C-5
F-3
                                                          FS127
                                                                                   #Q101
 ₩D101
                                                          FS128
                                                                                    #Q102
                                                          FS130
 #D102
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                C-3
                               FS50
                                                                                     Q104
                                                          FS131
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Q317
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 *D332
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                                                          FS152
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                               FS76
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FS79
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*Q324
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E311
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                                                         IC201
IC202
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   FS12
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                               FS93
                                                          IC203
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                               FS94
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C-3
D-3
  FS15
FS16
                                                                                     RV107
RV108
RV109
                               FS95
                                                          IC205
                              FS96
FS97
                                                         IC301
IC302
                                                                                                  H-1
G-1
F-1
   FS17
   FS18
                               FS98
                                                          IC303
                                                                                     RV110
                               FS99
                                                          IC304
                                                                                                  C-1
   FS19
                                                                                      RV111
   FS20
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                               FS100
                                                          IC305
                                                                                     RV112
   FS21
                B-2
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B-3
B-4
B-5
B-1
                               FS101
                                                          IC306
                                                                       C-3
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G-5
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FS27
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FS105
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IC310
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                                                                                                   G-1
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IC312
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RV212
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   FS31
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C-1
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FS33
FS34
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                                                                                      RY311
                                                                                                   J-2
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A-2
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                               FS114
                                                          LV201
                                                                                      S103
   FS35
                               FS115
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J-3
J-5
                                                                                      S203
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C-5
C-5
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C-1
C-1
                                                          LV301
                                                                                                   A-1
   FS36
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                                                          LV311
   FS37
                               FS117
                                                          LV321
                                                                                      TP106
                              FS118
FS119
  FS38
FS39
                                                                                      TP206
                                                                                                   A-1
                                                         PS1
PS2
                                                                       H-5
H-5
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J-1
J-1
                                                                                      TP301
TP311
   FS40
                               FS120
   FS41
                               FS121
                                            G-5
                                                                                      TP321
   FS42
                C-2
C-2
                                                         #Q1
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В

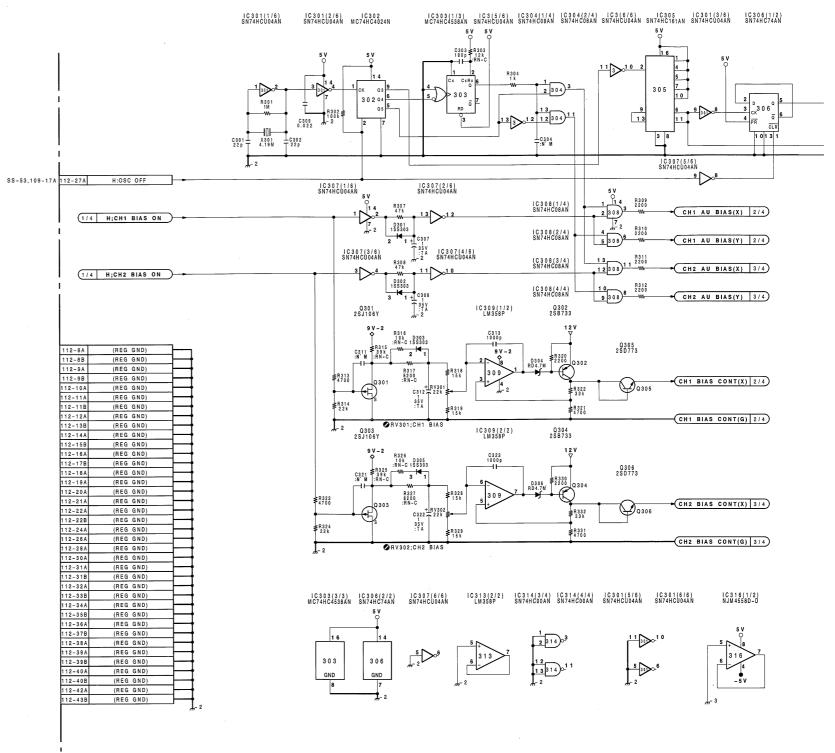
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3

5

(J); Serial No.10901 and higher (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher AR-14/14P(4/4); BIAS/ERASE OSC, AU/TC ERASE DRIVE IC301(1/6) SN74HCU04AN IC301(2/6) IC302 SN74HCU04AN MC74HC4024N



UVW-1800/1600 UVW-1800P/1600P G

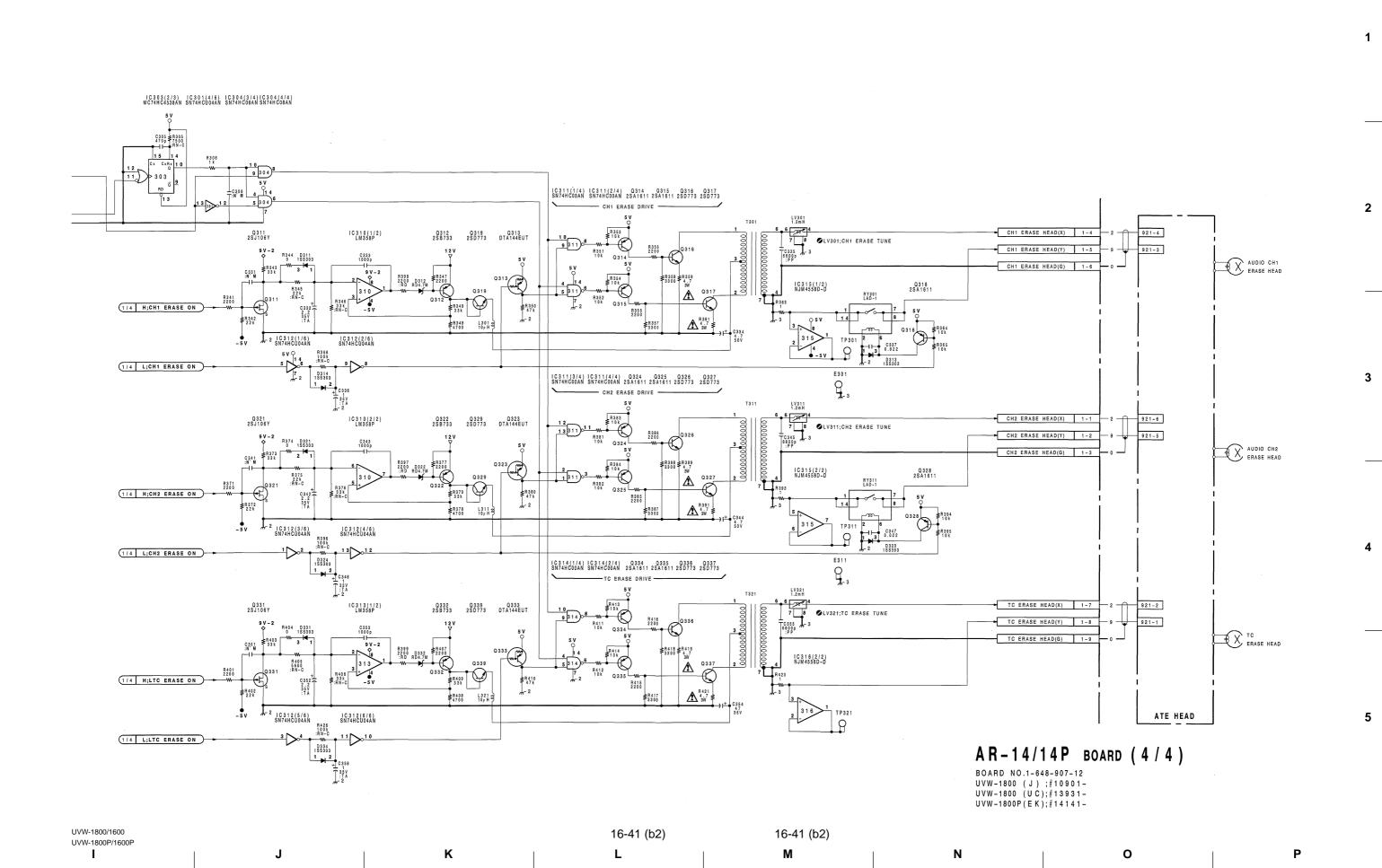
16-40 (b)

16-41 (b1)

C

D

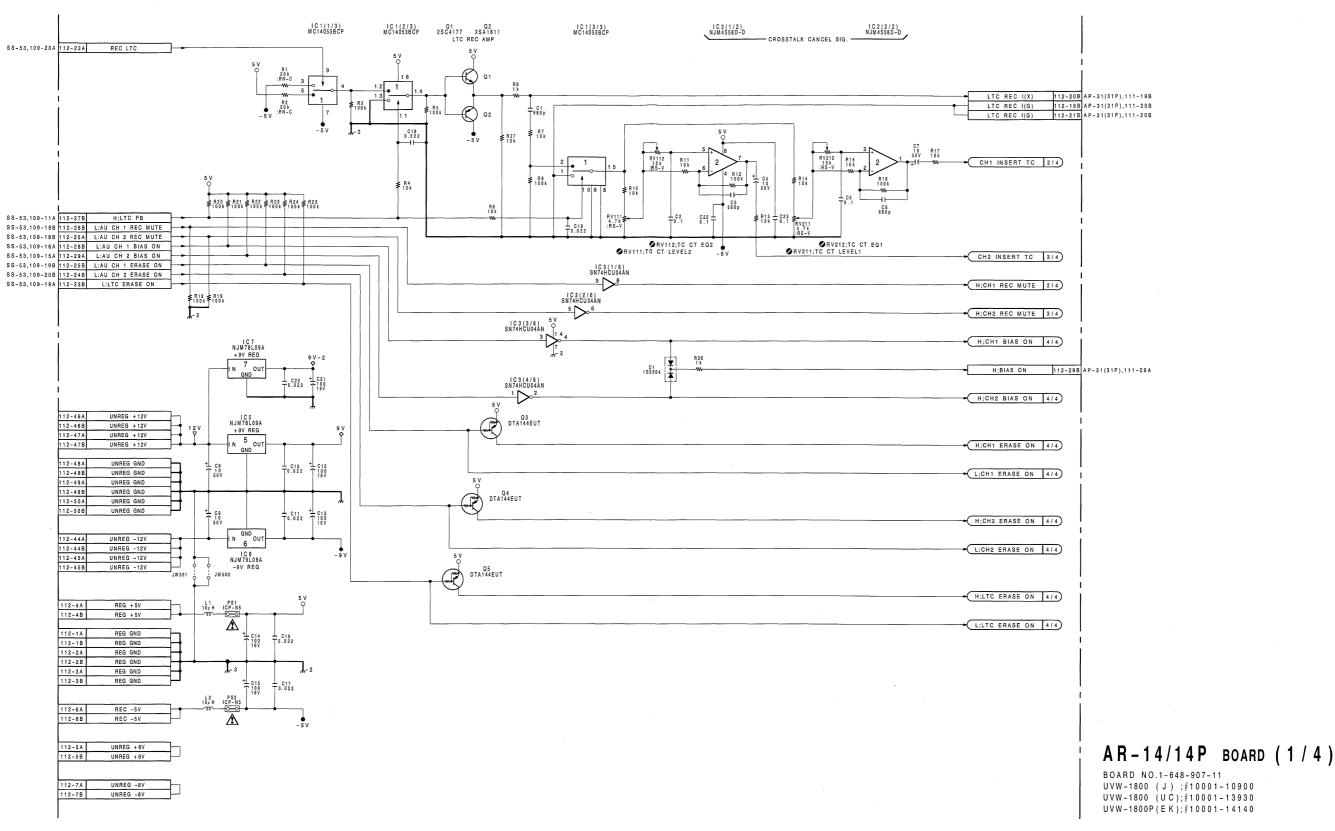
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CN1 J-5 FS44 C-3 FS123 H-1 *Q1 E-5 CN112 E-5 FS45 C-3 FS124 J-1 *Q2 E-5 FS46 C-3 FS125 H-2 *Q3 E-5 FS46 C-3 FS125 H-2 *Q3 E-5 FS47 C-3 FS126 H-2 *Q4 E-5 *D101 J-2 FS48 C-3 FS127 H-2 *Q5 F-5 *D102 J-1 FS49 C-4 FS128 H-4 *Q101 G-1 *D103 C-3 FS50 C-4 FS129 J-1 *Q102 E-4 *D201 A-2 FS51 C-5 FS130 J-1 *Q103 G-2 *D202 A-1 FS52 D-1 FS131 J-1 Q104 C-4 *D203 A-3 FS54 D-3 FS132 J-2 Q105 B-4 *D301 C-5 FS55 D-3 FS133 J-2 *Q201 C-1 *D302 D-4 FS56 D-3 FS134 J-2 *Q202 E-4	TP301 J-1 TP311 J-1 TP321 J-1 X301 D-3
*D1       D-5       FS47       C-3       FS126       H-2       *Q4       E-5         *D101       J-2       FS48       C-3       FS127       H-2       *Q5       F-5         *D102       J-1       FS49       C-4       FS128       H-4       *Q101       G-1         *D103       C-3       FS50       C-4       FS129       J-1       *Q102       E-4         *D201       A-2       FS51       C-5       FS130       J-1       *Q103       G-2         *D202       A-1       FS52       D-1       FS131       J-1       Q104       C-4         *D203       A-3       FS54       D-3       FS132       J-2       Q105       B-4         *D301       C-5       FS55       D-3       FS133       J-2       *Q201       C-1	
*D303 B-3 FS57 D-4 FS135 H-2 *Q203 C-1 *D304 B-5 FS58 D-4 FS136 J-2 Q204 A-4 *D305 B-3 FS59 D-4 FS137 J-2 Q205 A-4 *D306 A-5 FS60 D-5 FS138 J-3 *Q301 B-3 *D311 G-4 FS61 D-1 FS139 J-3 Q302 C-5 *D312 G-4 FS62 E-1 FS140 J-5 *Q303 B-3 *D313 J-3 FS63 D-3 FS141 J-5 Q304 A-5 *D314 F-3 FS64 E-3 FS142 J-1 Q305 C-5 *D321 G-3 FS65 E-3 FS142 J-1 Q305 C-5 *D321 G-3 FS66 D-4 FS144 J-1 *Q311 F-3 *D322 G-3 FS66 D-4 FS144 J-1 *Q311 F-3 *D323 J-2 FS68 E-4 FS145 J-2 Q312 G-4 *D324 E-4 FS69 D-4 FS146 J-2 *Q313 F-2 *D331 G-5 FS70 D-4 FS147 J-2 *Q314 H-4 *D332 G-5 FS72 E-1 FS148 J-3 *Q315 H-3 *D334 E-4 FS73 E-2 FS149 J-3 Q316 H-3	
F\$74 E-3 F\$150 J-4 Q317 H-4 E106 H-1 F\$75 F-3 F\$152 H-2 *Q318 J-3 E206 A-1 F\$76 E-3 F\$153 E-1 Q319 G-4 E301 J-1 F\$77 F-3 F\$154 F-1 *Q321 G-3 E311 J-1 F\$78 E-4 F\$155 J-5 Q322 G-2 F\$79 E-4 F\$156 J-4 *Q323 E-3	
FS1 A-1 FS80 F-4 FS2 A-1 FS81 E-5 IC1 E-4 #Q325 H-3 FS3 A-1 FS82 E-5 IC2 E-2 Q326 H-2 FS4 A-2 FS83 F-1 IC3 D-5 Q327 H-3 FS5 A-2 FS84 F-1 IC5 B-5 #Q328 J-2 FS6 A-5 FS85 F-1 IC6 B-5 Q329 G-2 FS7 A-2 FS86 F-1 IC7 C-5 #Q331 F-5 FS8 A-2 FS87 F-1 IC101 J-2 Q332 G-5 FS9 A-2 FS88 F-2 IC102 J-2 #Q333 F-3 FS10 A-5 FS89 F-2 IC102 J-2 #Q334 H-4 FS11 A-5 FS90 F-2 IC104 G-2 #Q335 H-5 FS12 A-5 FS91 F-3 IC105 F-2 Q336 H-4 FS13 B-1 FS92 F-3 IC201 A-2 Q337 H-5 FS14 B-2 FS83 F-3 IC202 B-2 Q339 G-5 FS15 B-5 FS94 F-4 IC203 C-2 FS16 B-5 FS95 F-4 IC204 D-2 RV106 J-1 FS17 A-5 FS96 F-4 IC205 E-2 RV107 H-1 FS18 A-5 FS97 F-4 IC301 D-3 RV108 H-1 FS19 A-5 FS98 F-5 IC302 D-4 RV109 G-1 FS20 B-1 FS99 F-5 IC303 C-4 RV110 F-1 FS21 B-2 FS100 F-5 IC306 C-3 RV207 B-1 FS22 B-2 FS101 F-5 IC306 C-3 RV207 B-1 FS24 B-3 FS103 F-5 IC307 C-5 RV207 B-1 FS25 B-4 FS104 F-5 IC308 C-4 RV208 B-1 FS26 B-5 FS105 F-5 IC308 C-4 RV208 B-1	
FS27 B-1 FS106 F-5 IC310 G-3 RV210 D-1 FS28 B-2 FS107 G-1 IC311 E-3 RV211 G-1 FS29 C-2 FS108 G-1 IC312 E-4 RV212 F-1 FS30 B-5 FS109 G-2 IC313 G-5 RV301 B-4 FS31 B-5 FS110 G-2 IC314 E-3 RV302 B-4 FS32 B-5 FS111 G-2 IC315 J-3 FS33 B-5 FS112 G-2 IC315 J-3 FS34 C-1 FS113 G-3 RY301 J-3 FS35 C-2 FS114 G-3 LV101 C-2 FS36 C-2 FS115 G-3 LV201 A-2 S103 J-1 FS37 C-5 FS116 G-4 LV301 J-4 S203 A-1 FS38 C-5 FS117 G-4 LV311 J-3 FS39 C-5 FS118 G-4 LV321 J-5 *TH1 G-2 FS40 C-1 FS119 G-5 FS41 C-1 FS120 G-5 PS1 H-5 FS42 C-2 FS121 G-5 PS2 H-5 TP106 H-1 FS43 C-2 FS121 G-5 PS2 H-5 TP106 H-1 FS43 C-2 FS122 H-1	

# : B SIDE

## AR-14/14P(1/4);LTC REC/CANCEL CROSSTALK SIG.



2

3

4

UVW-1800/1600 UVW-1800P/1600P

В

16-29 (a) **D** 

С

16-29 (a) **E** 

F

G

AR-14 (1-648-907-11) J-5 E-5 #Q1 #Q2 #Q3 TP301 JP311 TP321 J-1 J-1 J-1 CN1 CN112 FS44 FS45 FS123 555555149441414435935553494434343432323236554454555 FS124 FS125 FS46 FS47 FS48 FS49 FS50 FS51 \*Q4 \*Q5 FS126 \*D101 \*D102 \*D103 X301 D-3 FS127 FS128 FS129 FS130 **#**Q101 **\***Q102 **\***Q103 \*D201 FS51 FS52 FS54 FS55 FS56 FS57 FS58 FS59 FS131 FS132 Q104 Q105 \*D301 \*D302 \*D303 \*D304 FS133 FS134 FS135 FS136 FS137 #Q201 #Q201 #Q202 #Q203 Q204 Q205 **\***D305 FS138 FS139 #Q301 Q302 #Q303 Q304 Q305 FS140 FS141 FS142 FS143 FS144 FS145 FS146 FS147 FS150 FS150 FS152 FS153 FS155 FS156 \*D313 \*D314 \*D321 \*D322 Q306 \*Q311 Q312 \*Q313 \*Q314 \*D323 **\***D324 \*D331 \*D332 \*D334 #Q315 Q316 Q316 Q317 #Q318 Q319 #Q321 Q322 #Q323 #Q325 Q326 Q327 #Q328 Q329 E106 E206 E301 E311 H-1 A-1 J-1 J-1 IC1 IC2 IC3 IC5 IC6 IC7 IC101 IC102 IC103 IC104 IC105 IC201 IC202 IC203 IC204 IC205 IC301 IC305 IC306 IC306 IC307 IC308 IC309 IC311 IC312 IC313 IC314 IC315 IC315 IC316 #Q331 Q332 #Q333 #Q334 #Q335 Q336 Q337 Q339 RV106 RV107 RV108 RV109 RV110 J-1 H-1 G-1 F-1 C-1 A-1 B-1 B-1 G-1 F-1 B-4 B-4 RV111 RV112 RV206 RV207 FS102 FS103 FS104 RV208 FS105 RV209 FS106 RV210 FS107 RV211 FS108 FS109 FS110 FS111 FS112 RV301 RV302 J-3 J-2 RY301 FS113 FS114 RY311 LV101 LV201 LV301 LV311 LV321 C-2 A-2 J-4 J-3 J-5 J-1 A-1 FS115 S103 FS116 FS117 S203 FS118 G-2 C-2 ₩TH1 FS119 ₩TH2 PS1 PS2 FS120 H-1 A-1

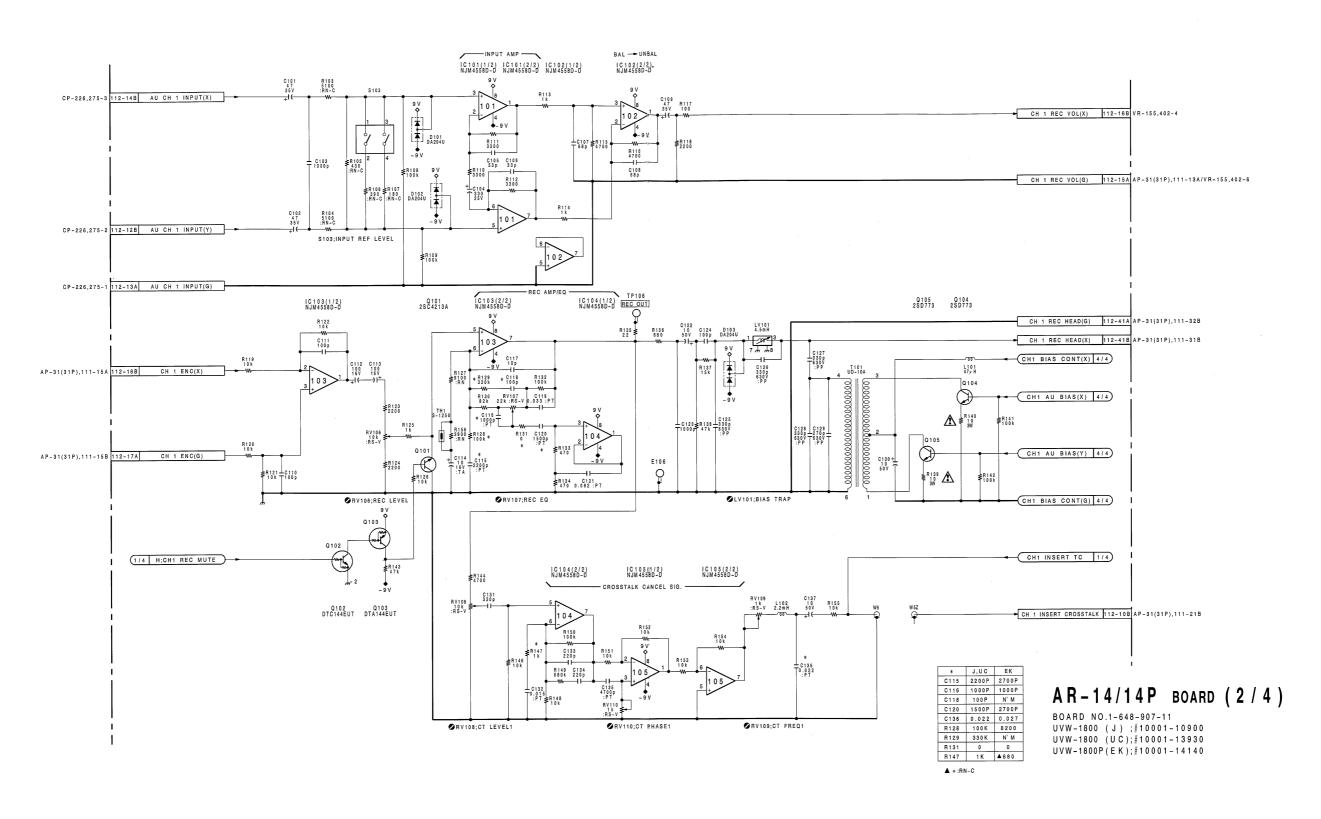
TP206

# : B SIDE

FS121

FS122

AR-14/14P(2/4); CH-1 REC/BIAS DRIVE, CH-1 CANCEL CROSSTALK SIG.



UVW-1800/1600 UVW-1800P/1600P Α

В

С

16-33 (a) D

16-33 (a) Ε

F

G

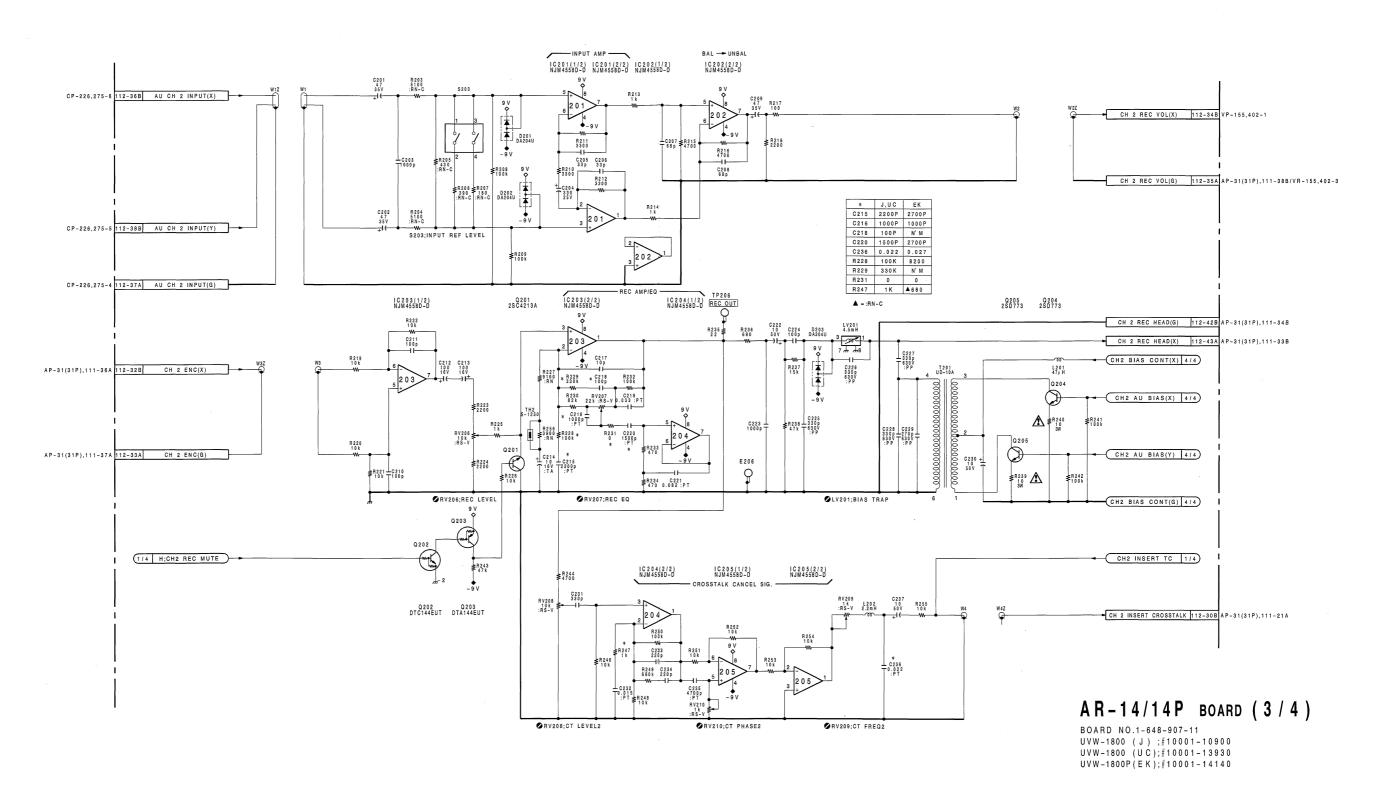
AD .	4 A /	1-648	OU.	7 4 4

	AR-14 (1-64	48-907-11)	)							
	CN1 CN112	J-5 E-5	FS44 FS45 FS46	C-3 C-3 C-3	FS123 FS124 FS125	H-1 J-1 H-2	#Q1 #Q2 #Q3	E-5 E-5 E-5	TP301 TP311 TP321	J-1 J-1 J-1
	*D1 *D101 *D102 *D103 *D201	D-5 J-2 J-1 C-3 A-2	FS47 FS48 FS49 FS50 FS51	C-3 C-3 C-4 C-4 C-5	FS126 FS127 FS128 FS129 FS130	H-2 H-2 H-4 J-1 J-1	#Q4 #Q5 #Q101 #Q102 #Q103	E-5 F-5 G-1 E-4 G-2	X301	D-3
	*D202 *D203 *D301 *D302 *D303 *D304 *D305	A-1 A-3 C-5 D-4 B-3 B-5 B-3	FS52 FS54 FS55 FS56 FS57 FS58 FS59	D-1 D-3 D-3 D-3 D-4 D-4 D-4	FS131 FS132 FS133 FS134 FS135 FS136 FS137	J-1 J-2 J-2 J-2 H-2 J-2 J-2	Q104 Q105 #Q201 #Q202 #Q203 Q204 Q205	C-4 B-4 C-1 E-4 C-1 A-4 A-4		
	*D306 *D311 *D312 *D313 *D314 *D321 *D322	A-5 G-4 G-4 J-3 F-3 G-3	FS60 FS61 FS62 FS63 FS64 FS65 FS66	D-5 D-1 E-1 D-3 E-3 E-3 D-4	FS138 FS139 FS140 FS141 FS142 FS143 FS144	J-3 J-5 J-5 J-1 J-1 J-1	#Q301 Q302 #Q303 Q304 Q305 Q306 #Q311	B-3 C-5 B-3 A-5 C-5 A-5 F-3		
	*D323 *D324 *D331 *D332 *D334	J-2 E-4 G-5 G-5 E-4	FS68 FS69 FS70 FS72 FS73 FS74	E-4 D-4 D-4 E-1 E-2 E-3	FS145 FS146 FS147 FS148 FS149 FS150	J-2 J-2 J-3 J-3 J-4	Q312 *Q313 *Q314 *Q315 Q316 Q317	G-4 F-2 H-4 H-3 H-4		
	E106 E206 E301 E311	H-1 A-1 J-1 J-1	FS75 FS76 FS77 FS78 FS79	F-3 E-3 F-3 E-4 E-4	FS152 FS153 FS154 FS155 FS156	H-2 E-1 F-1 J-5 J-4	#Q318 Q319 #Q321 Q322 #Q323	J-3 G-4 G-3 G-2 E-3		
1	FS1 FS2 FS3 FS4 FS5 FS6 FS7	A-1 A-1 A-2 A-2 A-5 A-2	FS80 FS81 FS82 FS83 FS84 FS85 FS86	F-4 E-5 E-5 F-1 F-1 F-1	IC1 IC2 IC3 IC5 IC6 IC7	E-4 E-2 D-5 B-5 B-5 C-5	#Q324 #Q325 Q326 Q327 #Q328 Q329 #Q331	H-2 H-3 H-2 H-3 J-2 G-2 F-5		
•	FS8 FS9 FS10 FS11 FS12 FS13 FS14	A-2 A-2 A-5 A-5 A-5 B-1 B-2	FS87 FS88 FS89 FS90 FS91 FS92 FS93	F-1 F-2 F-2 F-3 F-3 F-3	IC101 IC102 IC103 IC104 IC105 IC201 IC202	J-2 J-2 H-2 G-2 F-2 A-2 B-2	Q332 #Q333 #Q334 #Q335 Q336 Q337 Q339	G-5 F-3 H-4 H-5 H-4 H-5 G-5		
	FS15 FS16 FS17 FS18 FS19 FS20	B-5 B-5 A-5 A-5 A-5 B-1	FS94 FS95 FS96 FS97 FS98 FS99	F-4 F-4 F-4 F-5 F-5	IC203 IC204 IC205 IC301 IC302 IC303	C-2 D-2 E-2 D-3 D-4 C-4	RV106 RV107 RV108 RV109 RV110	J-1 H-1 H-1 G-1 F-1		
	FS21 FS22 FS23 FS24 FS25 FS26 FS27	B-2 B-2 B-3 B-3 B-4 B-5 B-1	FS100 FS101 FS102 FS103 FS104 FS105 FS106	F-5 F-5 F-5 F-5 F-5 F-5	IC304 IC305 IC306 IC307 IC308 IC309 IC310	C-3 D-3 C-3 C-5 C-4 B-5 G-3	RV111 RV112 RV206 RV207 RV208 RV209 RV210	C-1 C-1 A-1 B-1 B-1 D-1		
	FS28 FS29 FS30 FS31 FS32 FS33	B-2 C-2 B-5 B-5 B-5 B-5	FS107 FS108 FS109 FS110 FS111 FS112	G-1 G-1 G-2 G-2 G-2 G-2	IC311 IC312 IC313 IC314 IC315 IC316	E-3 E-4 G-5 E-3 J-3 J-5	RV211 RV212 RV301 RV302	G-1 F-1 B-4 B-4		
	FS34 FS35 FS36	C-1 C-2 C-2	FS113 FS114 FS115	G-3 G-3 G-3	LV101 LV201	C-2 A-2	RY311 S103	J-2 J-1		
	FS37 FS38 FS39 FS40	C-5 C-5 C-5 C-1	FS116 FS117 FS118 FS119	G-4 G-4 G-5	LV301 LV311 LV321	J-4 J-3 J-5	\$203 #TH1 #TH2	A-1 G-2 C-2		
	FS41 FS42 FS43	C-1 C-2 C-2	FS120 FS121 FS122	G-5 G-5 H-1	PS1 PS2	H-5 H-5	TP106 TP206	H-1 A-1		

# : B SIDE

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UVW-1800 (J); Serial No.10001 through 10900
UVW-1800 (UC); Serial No.10001 through 13930
UVW-1800P(EK); Serial No.10001 through 14140
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AR-14/14P(3/4); CH-2 REC/BIAS DRIVE, CH-2 CANCEL CROSSTALK SIG.



UVW-1800/1600 UVW-1800P/1600P Α

В

С

16-37 (a) D

16-37 (a) Ε

G

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AR-14 (1-648-907-11)
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                                                                                                                             TP301
                                                C-3
C-3
C-3
C-4
C-4
C-5
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                                                                                                                                           J-1
J-1
  CN112
                                  FS45
                                                               FS124
FS125
                                                                                           #Q2
#Q3
                                                                                                                             TP311
                                                                               H-2
                                                                                                                             TP321
                                 FS47
FS48
FS49
                                                                FS126
                                                                               H-2
                                                                                            #Q4
                 J-2
J-1
C-3
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 *D101
                                                                                                                            X301
 *D102
                                                               FS128
                                                                                            #Q101
 *D103
                                  FS50
                                                               FS129
FS130
                                                                                           #Q102
#Q103
 *D201
                                  FS51
                                  FS52
                                               Q104
                                                               FS131
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                 C-5
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FS58
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#D303
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 #D304
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 #D305
                 B-3
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                                                               FS137
 #D306
                                  FS60
                                                                FS138
                                                                                            #Q301
                                 FS61
FS62
 #D311
                                                                FS139
                                                                                             Q302
 #D312
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                                 FS63
FS64
FS65
FS66
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F-3
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Q306
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E-4
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                                                                                            #Q315
                                 FS73
 #D334
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J-4
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E206
E301
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Q319
#Q321
Q322
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                                                               FS152
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FS154
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J-1
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FS82
FS83
FS84
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FS3
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FS11
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IC203
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IC301
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                                                                                             RV106
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                                 FS100
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                                 FS101
                                                                                             RV112
                                                                                                            C-1
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RV207
RV208
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IC311
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                                                                                                            D-1
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                                                                                             RV211
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FS30
FS31
FS32
FS33
FS34
FS35
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B-5
B-5
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C-1
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IC314
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                                 FS110
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IC316
                                 FS111
                                                                              J-3
J-5
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J-2
                                FS113
                                                                                              RY311
                                                                             C-2
A-2
J-4
J-3
J-5
                                FS114
                                                               LV101
 FS36
FS37
FS38
FS39
                 C-2
C-5
C-5
C-5
C-1
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G-4
G-4
G-5
G-5
                                                               LV201
LV301
                                                                                             S103
                                FS116
                                                                                             S203
                                                                                                            A-1
                                FS117
                                                               LV311
                                FS118
                                                               LV321
                                                                                                            G-2
  FS40
                                FS119
                                                                                           ₩TH2
                                                                                                            C-2
  FS41
                 C-1
                                 FS120
                 C-2
                                 FS121
                                               G-5
                                                               PS2
                                                                                             TP106
                                                                                                           H-1
  FS43
                                FS122
                                                                                              TP206
# : B SIDE
```

В

C

1

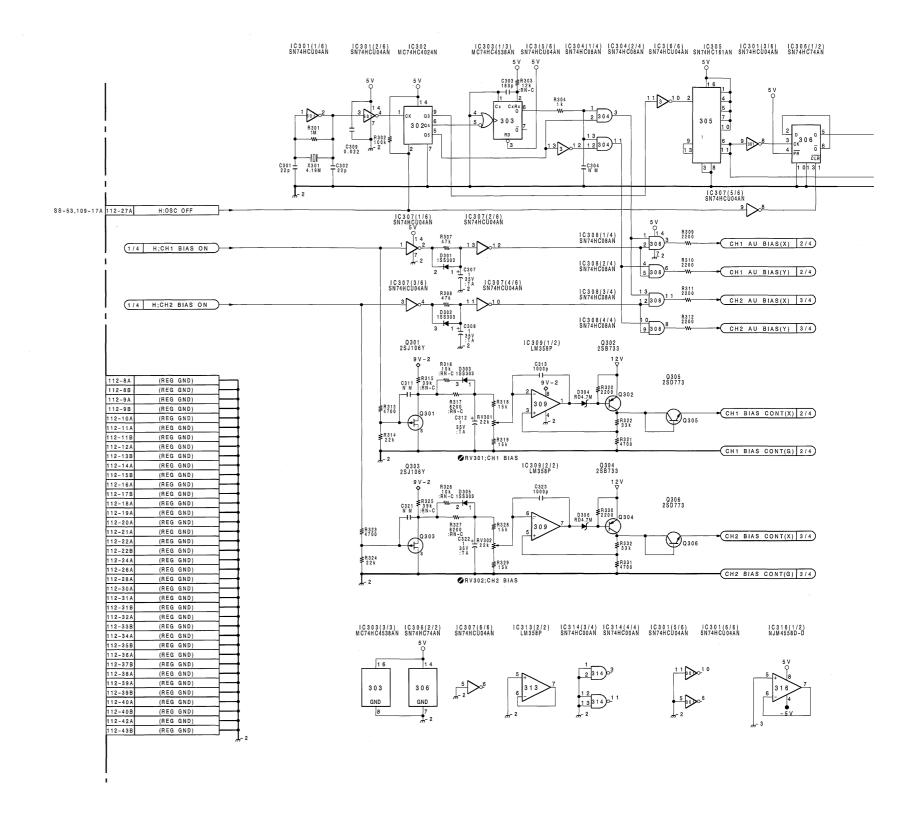
2

3

5

UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140

AR-14/14P(4/4); BIAS/ERASE OSC, AU/TC ERASE DRIVE



16-40 (a) 16-4

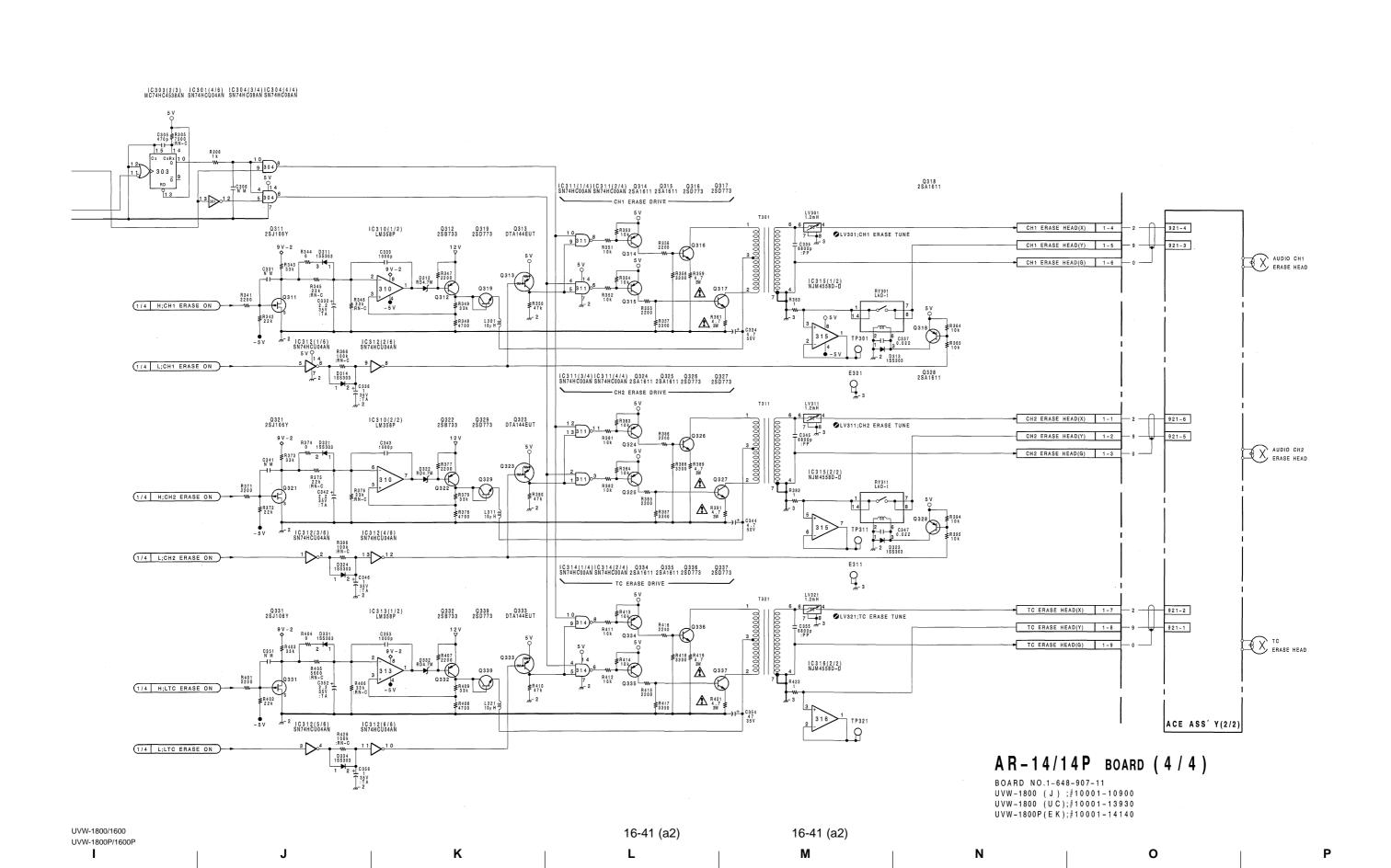
D

16-41 (a1)

Ε

ı **G** 

UVW-1800/1600 UVW-1800P/1600P **H** 



В

С

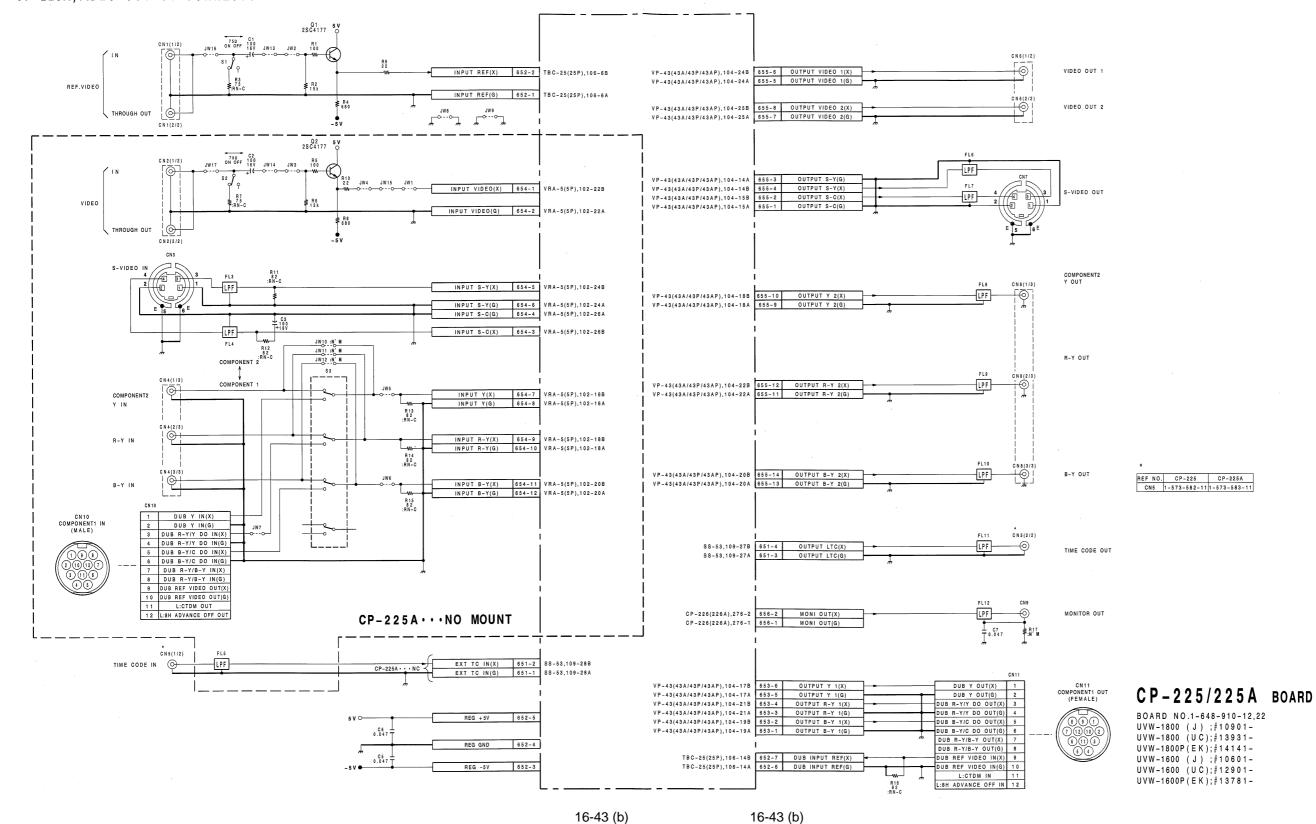
# CP-225; VIDEO INPUT/OUTPUT CONNECTOR CP-225A: VIDEO OUTPUT CONNECTOR

1

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Ε

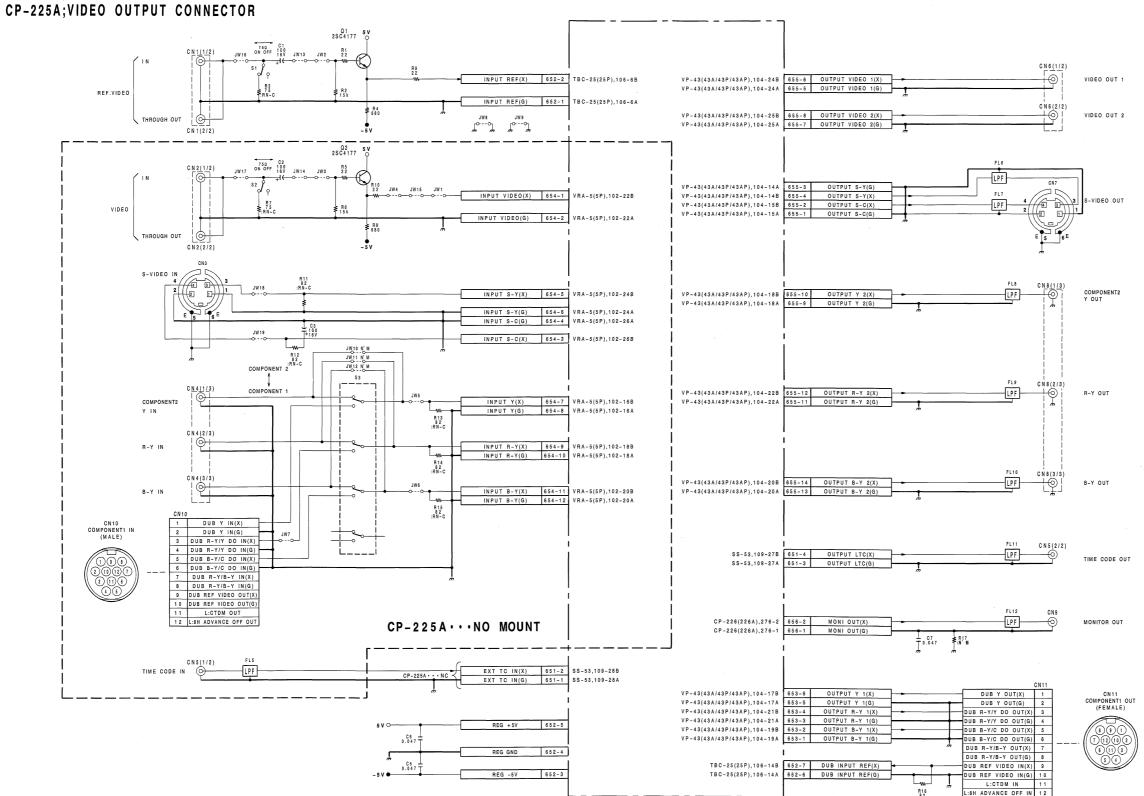
UVW-1800/1600 UVW-1800P/1600P

Н

G

В

CP-225 ; VIDEO INPUT/OUTPUT CONNECTOR



### CP-225/225A BOARD

BOARD NO.1-648-910-11,21 UVW-1800 (J);#10001-10900 UVW-1800 (UC);#10001-13930 UVW-1800P(EK);#10001-14140 UVW-1600 (J);#10001-10600 UVW-1600 (UC);#10001-12900 UVW-1600P(EK);#10001-13780

UVW-1800/1600 UVW-1800P/1600P

C

16-43 (a)

D

16-43 (a) **E** 

F

G

I

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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher
```

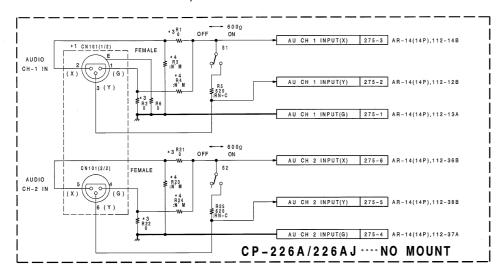
2

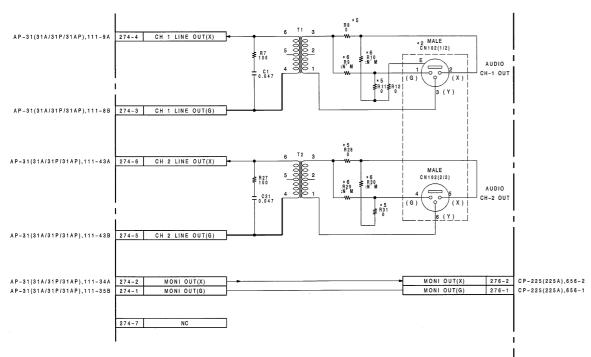
3

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CP-226/226J ;AUDIO INPUT/OUTPUT CONNECTOR,OUTPUT TRANSFORMER CP-226A/226AJ ;AUDIO OUTPUT CONNECTOR,OUTPUT TRANSFORMER





#### CP-226/226J

	REF.No	UC,EK	J
* 1	CN101	FEMALE	MALE
* 2	CN102	MALE	FEMALE
* 3	R1,2,21,22	0	:N' M
* 4	R3,4,23,24	N M	0
* 5	R8,11,28,31	0	:N' M
* 6	R9,10,29,30	:N' M	0
* 6	R9,10,29,30	:N' M	0

#### CP-226A/226AJ

٠.			•
	REF.No	UC,EK	J
* 2	CN102	MALE	FEMALE
* 5	R8,11,28,31	0	:N' M
* 6	R9.10.29.30	:N' M	0

# CP-226/226A/226J/226AJ BOARD

BOARD NO.1-648-911-12,22 UVW-1800 (J);#10901-UVW-1800 (UC);#13931-UVW-1800P(EK);#14141-UVW-1600 (J);#10601-UVW-1600 (UC);#12901-UVW-1600P(EK);#13781-

> 16-45 (b) **D**

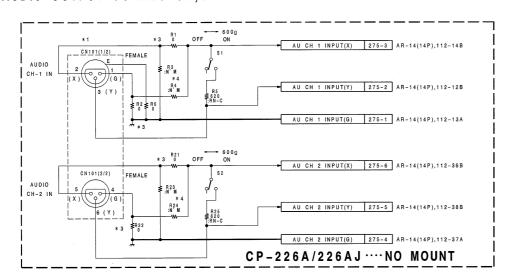
16-45 (b)

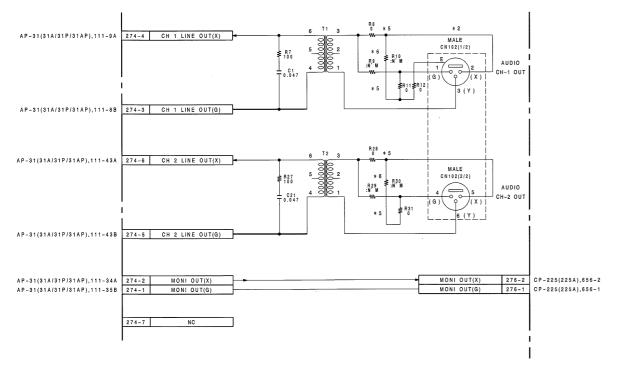
Ε

UVW-1800/1600 UVW-1800P/1600P **H** 

G

CP-226/226J ;AUDIO INPUT/OUTPUT CONNECTOR, OUTPUT TRANSFORMER CP-226A/226AJ ;AUDIO OUTPUT CONNECTOR,OUTPUT TRANSFORMER





#### CP-226/226J

	REF.No	UC,EK	J
* 1	CN101	FEMALE	MALE
* 2	CN102	MALE	FEMALE
* 3	R1,2,21,22	0	:N' M
* 4	R3,4,23,24	:N' M	0
* 5	R8,11,28,31	0	:N' M
* 6	R9.10.29.30	:N' M	0

В

#### CP-226A/226AJ

CF-220A/220AJ								
REF.No	UC,EK	J						
CN102	MALE	FEMAL						
R8,11,28,31	0	:N' M						
R9,10,29,30	:N' M	0						
	REF.No CN102 R8,11,28,31	REF.No UC,EK CN102 MALE R8,11,28,31 0						

# CP-226/226A/226J/226AJ BOARD

BOARD NO.1-648-911-11,21 UVW-1800 (J);#10001-10900 UVW-1800 (UC);#10001-13930 UVW-1800P(EK);#10001-14140 UVW-1600 (J);#10001-10600 UVW-1600 (UC);#10001-12900 UVW-1600P(EK);#10001-13780

С

UVW-1800/1600 UVW-1800P/1600P Α

16-45 (a)

D

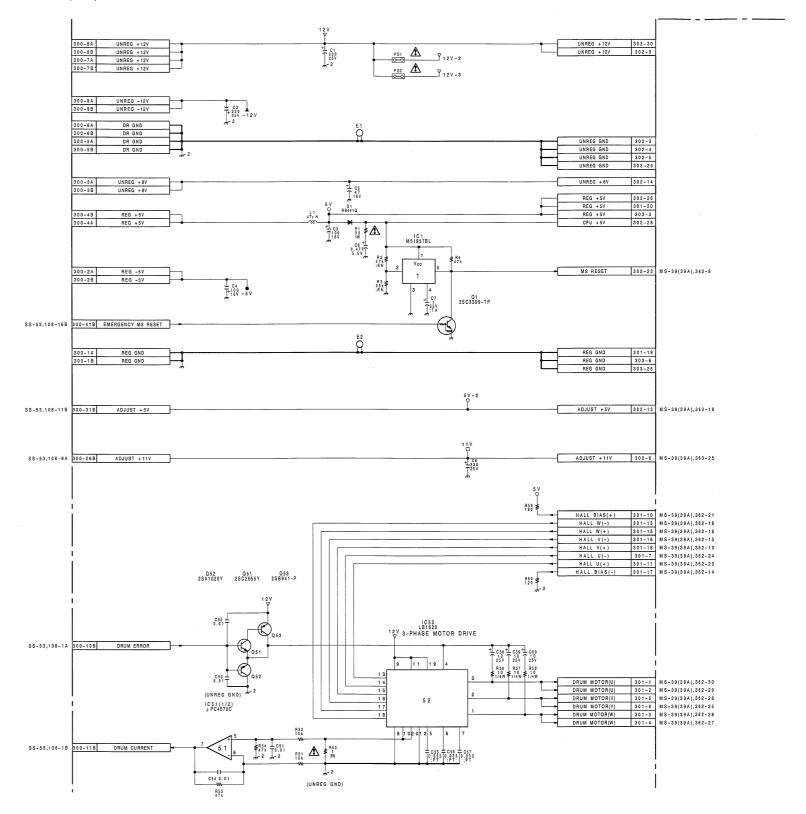
16-45 (a) Ε

G

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DR-214 (1-648-908-11, 12)
       CN300 H-1
CN301 C-5
CN302 H-5
CN303 L-5
         D1
                                        G-2
       D1 G-2
D151 L-3
D152 K-3
D153 L-2
D154 M-3
D155 K-3
D156 L-2
D301 G-2
D302 J-4
D303 H-4
        D304 H-2
D306 H-3
         E1
E2
                                        K-5
       IC1 G-2
IC51 C-2
IC52 D-3
IC151 L-4
IC152 L-4
        IC152 L-4
IC153 L-2
IC201 C-1
IC251 L-1
IC301 F-3
IC302 F-4
IC303 F-2
IC304 G-4
       IC304 G-4
IC305 J-5
IC306 H-4
IC307 J-2
IC308 E-5
IC310 J-3
IC311 J-1
IC313 H-2
       Q1 G-3
Q51 B-5
Q52 B-5
Q53 B-5
Q101 B-4
Q102 B-4
Q103 B-4
Q151 M-2
Q152 N-4
Q153 M-3
Q154 N-5
Q155 M-3
Q201 B-1
       Q202 B-1
Q203 B-2
Q204 B-2
Q205 B-3
Q206 B-3
Q207 B-3
Q208 B-4
Q251 N-1
Q252 N-1
Q253 N-2
Q254 M-2
Q255 N-3
Q256 N-3
Q257 N-3
Q258 N-4
Q301 H-2
Q302 K-1
Q303 K-2
```

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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher
UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher
UVW-1600P(EK); Serial No.13781 and higher
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DR-214(1/2); DRUM/CAP/THREAD/REEL POS./CC/REEL MOTOR DRIVE



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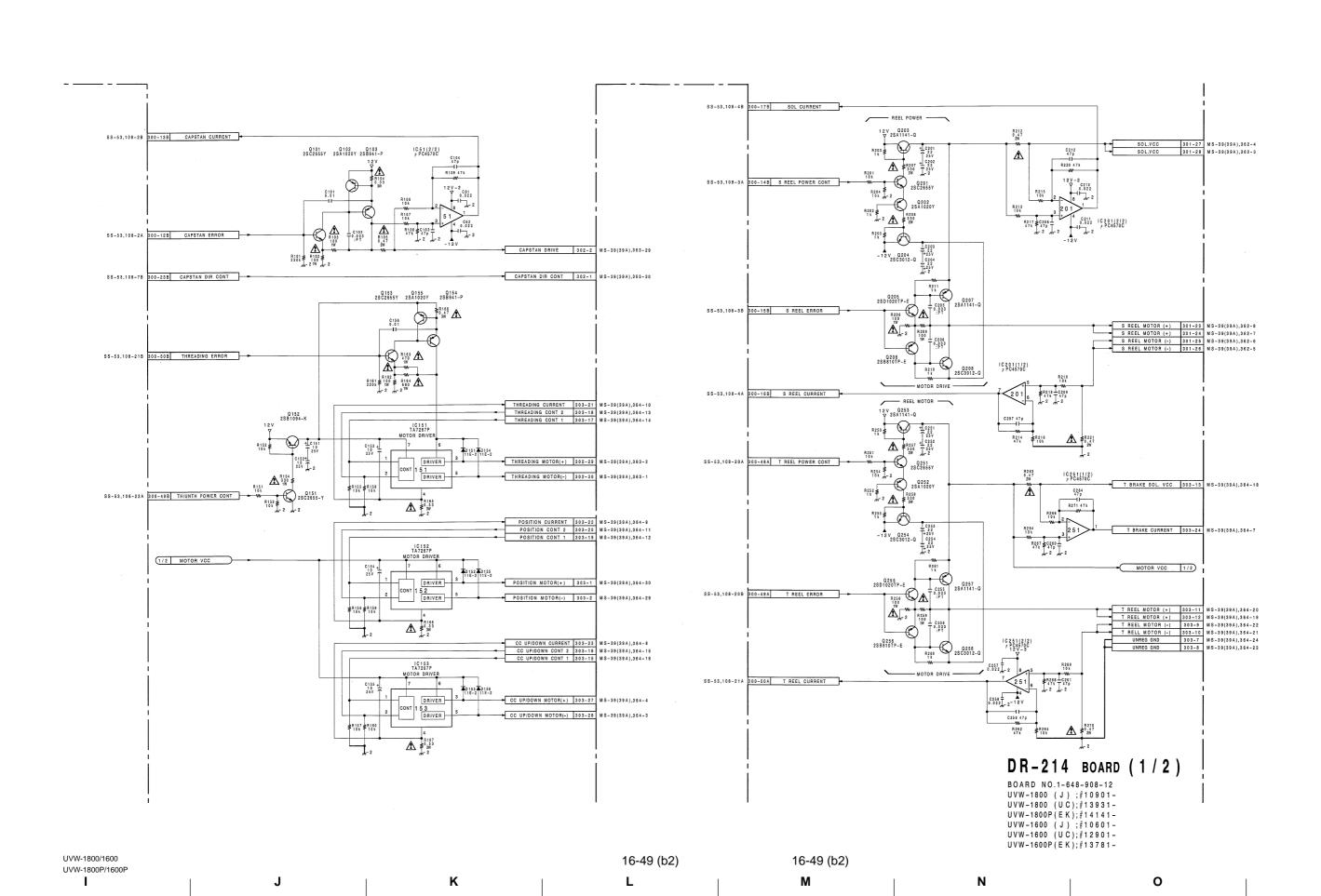
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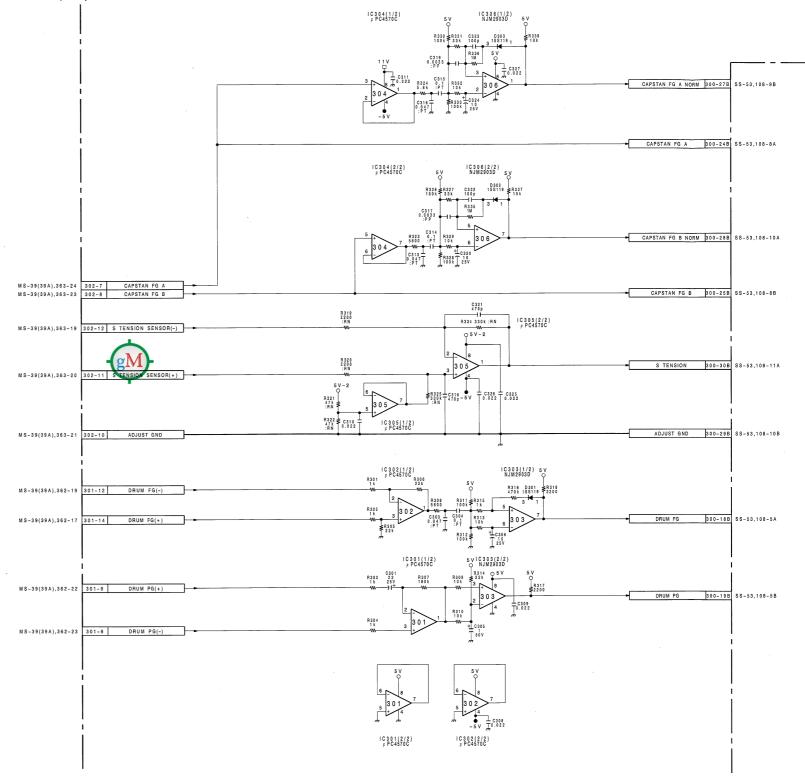
С



DR-214 (1-648-908-11, 12) CN300 H-1 CN301 C-5 CN302 H-5 CN303 L-5 D1 G-2 D151 L-3 D152 K-3 D153 L-2 D154 M-3 D155 K-3 D156 L-2 D301 D302 G-2 J-4 H-4 D303 D304 H-2 D306 H-3 E1 E2 K-1 K-5 IC1 G-2 IC51 C-2 IC52 D-3 IC151 L-4 IC152 L-4 IC152 L-4 IC153 L-2 IC201 C-1 IC251 L-1 IC301 F-3 IC302 F-4 IC303 F-2 IC304 G-4 IC304 G-4 IC305 J-5 IC306 H-4 IC307 J-2 IC308 E-5 IC310 J-3 IC311 J-1 IC313 H-2 Q1 Q51 Q52 Q53 Q101 Q102 G-3 B-5 B-5 B-5 B-4 B-4 Q102 B-4 Q103 B-4 Q151 M-2 Q152 N-4 Q153 M-3 Q154 N-5 Q155 M-3 Q201 B-1 Q202 B-1 Q203 B-2 Q204 B-2 Q205 B-3 Q206 B-3 Q207 B-3 Q208 B-4 Q251 N-1 Q252 N-1 Q253 N-2 Q254 M-2 Q255 N-3 Q256 N-3 Q256 N-3 Q257 N-3 Q258 N-4 Q301 H-2 Q302 K-1 Q303 K-2

UVW-1800 (J); Serial UVW-1800 (UC); Serial No.10901 and higher No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher

DR-214(2/2);CTL REC/PB,DRUM PG/FG AMP.,CAPSTAN FG AMP.,TENSION AMP.,TAPE TOP/END DETECT



16-52 (b)

16-53 (b1)

UVW-1800/1600 UVW-1800P/1600P Н

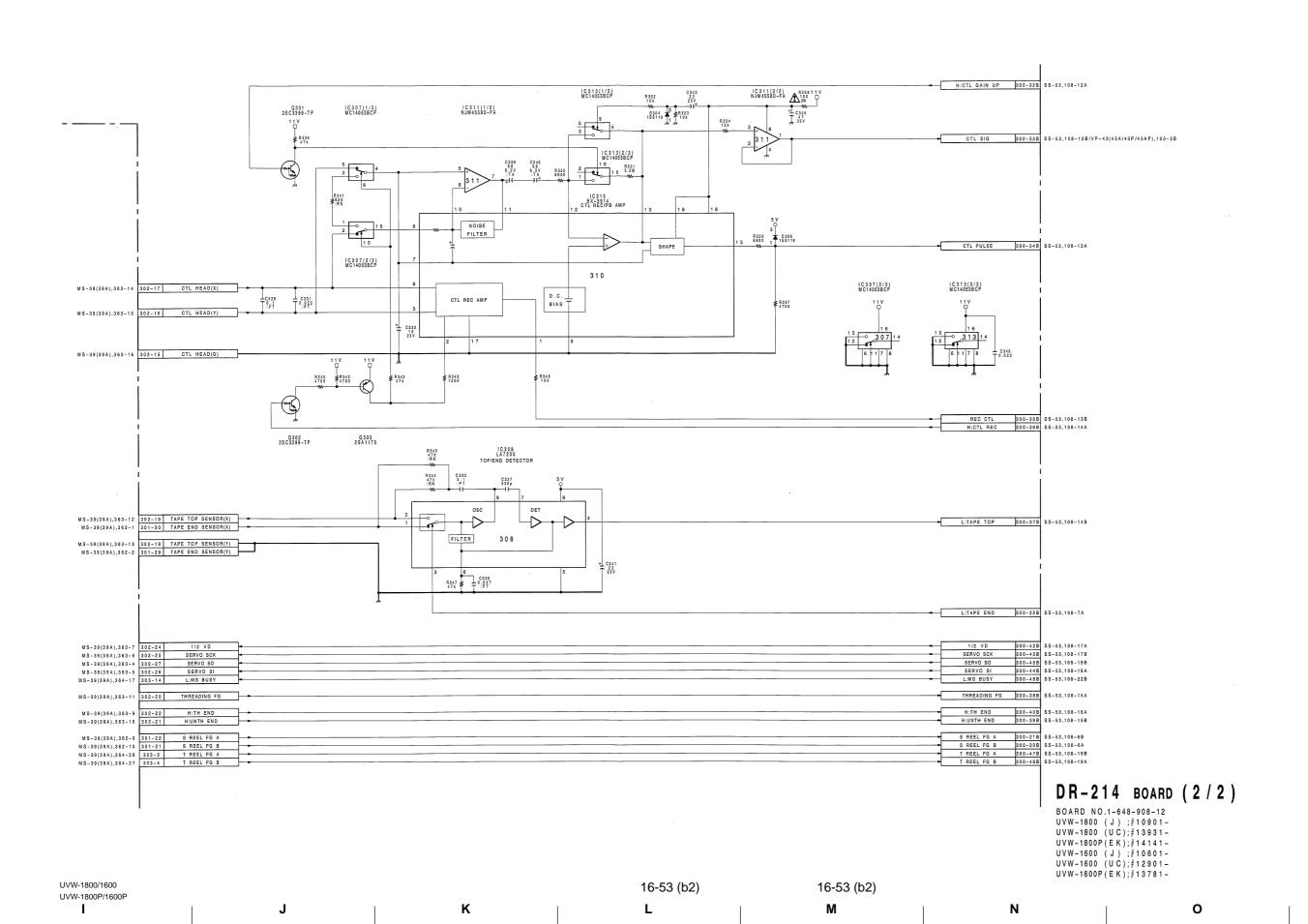
G

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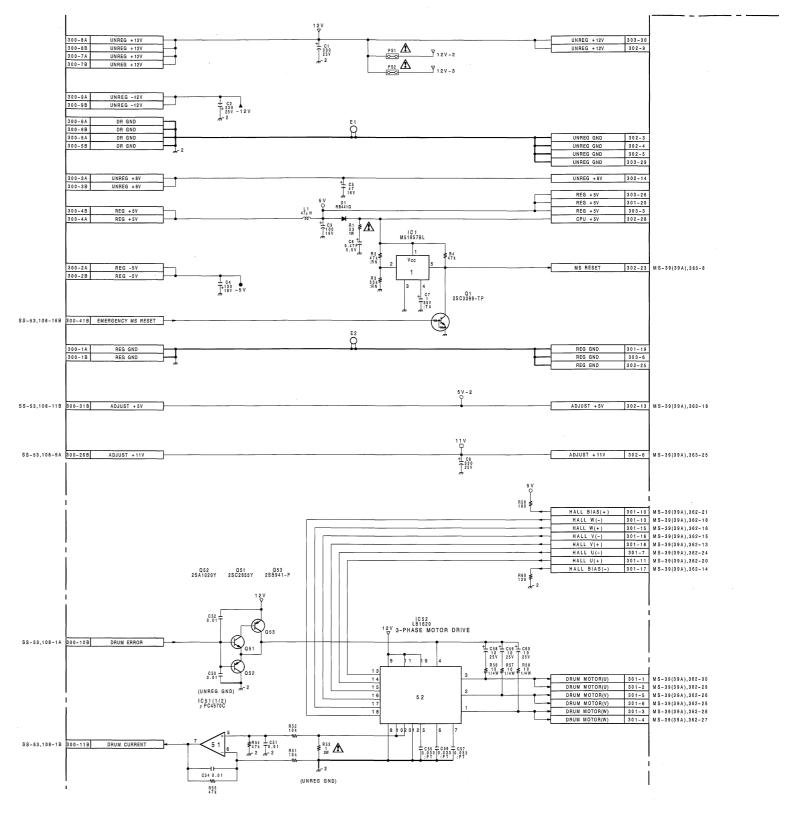


Ρ

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DR-214 (1-648-908-11, 12)
      CN300 H-1
CN301 C-5
CN302 H-5
CN303 L-5
  D1 G-2
D151 L-3
D152 K-3
D153 L-2
D154 M-3
D156 K-3
D156 L-2
D301 G-2
D302 J-4
D303 H-4
D304 H-2
          D301
D302
D303
D304
                                                    H-2
          D306
                                                    H-3
     E1
E2
                                                    K-5
       IC1 G-2 IC51 C-2 IC52 D-3 IC151 L-4 IC153 L-2 IC201 C-1 IC301 F-3 IC302 F-4 IC303 F-2 IC304 G-4 IC305 J-5 IC310 J-2 IC308 E-5 IC310 J-3 IC311 J-1 IC313 H-2
          Q1 G-3
Q51 B-5
Q52 B-5
Q52 B-5
Q101 B-4
Q102 B-4
Q103 B-4
Q151 M-2
Q152 N-4
Q153 M-3
Q154 N-5
Q155 M-3
Q201 B-1
Q202 B-1
Q203 B-2
Q204 B-2
Q204 B-2
Q205 B-3
Q206 B-3
Q206 B-3
Q207 B-3
Q207 N-1
Q252 N-1
Q252 N-1
Q253 N-2
Q254 M-2
Q255 N-3
Q256 N-3
Q256 N-3
Q257 N-3
Q258 N-4
Q301 H-2
Q302 K-1
Q303 K-2
```

```
UVW-1800 (J); Serial No.10001 through 10900
UVW-1800 (UC); Serial No.10001 through 13930
UVW-1800P(EK); Serial No.10001 through 13930
UVW-1800P(EK); Serial No.10001 through 14140
UVW-1600 (J); Serial No.10001 through 10600
UVW-1600 (UC); Serial No.10001 through 12900
UVW-1600P(EK); Serial No.10001 through 13780
```

#### DR-214(1/2);DRUM/CAP/THREAD/REEL POS./CC/REEL MOTOR DRIVE



Ε

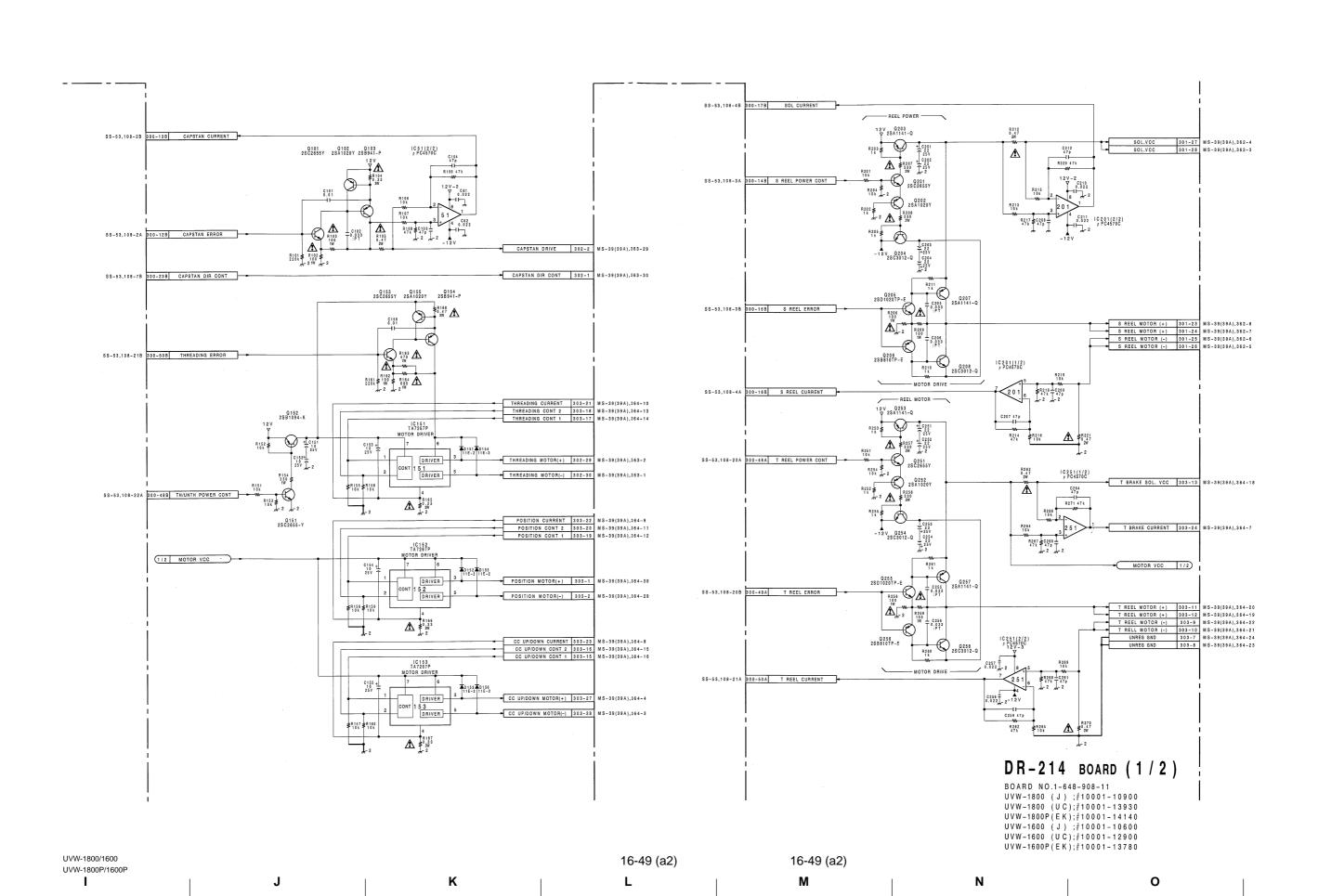
G

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UVW-1800 (J) ; Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930
                                                                                  UVW-1800P(EK); Serial No.10001 through 14140
UVW-1600 (J); Serial No.10001 through 10600
UVW-1600 (UC); Serial No.10001 through 12900
UVW-1600P(EK); Serial No.10001 through 13780
DR-214 (1-648-908-11, 12)
   CN300 H-1
CN301 C-5
CN302 H-5
    CN303 L-5
                                                                                 DR-214(2/2);CTL REC/PB,DRUM PG/FG AMP.,CAPSTAN FG AMP.,TENSION AMP.,TAPE TOP/END DETECT
   D1 G-2
D151 L-3
D152 K-3
D153 L-2
D154 M-3
D155 K-3
D156 L-2
                                                                                                                                                                                                                                        IC304(1/2
# PC4570C
                                                                                                                                                                                                                                                                   R330 R331 C323
100k 33k 100p
W R336
C319 R336
1M M
   D301 G-2
D302 J-4
D303 H-4
D304 H-2
    D306 H-3
    E1
E2
                                                                                                                                                                                                                                                                                                                                                       CAPSTAN FG A 300-24B SS-53,108-8A
                  K-5
   IC1 G-2 IC51 C-2 IC52 D-3 IC311 L-4 IC152 L-4 IC153 L-2 IC201 C-1 IC301 F-3 IC302 F-4 IC303 F-2 IC304 G-4 IC305 J-5 IC306 E-5 IC306 E-5 IC310 J-3 IC311 J-1 IC313 H-2
                                                                                                                                                                                                                                          IC304(2/2)
# PC4570C
                                                                                                                                                                                                                                                                                 IC306(2/2)
NJM2903D
                                                                                                                                                                                                                                                                R326 ≸R327 C322 188119 ≸R337
100k ≸33k 100p 188119 ≸R337
                                                                                                                                                                                                                                                                                                                                                       CAPSTAN FG B NORM 300-28B $$-53,108-10A
                                                                                      MS-39(39A),363-24 302-7 CAPSTAN FG A
MS-39(39A),363-23 302-8 CAPSTAN FG B
                                                                                                                                                                                                                                                                                                                                                           CAPSTAN FG B 300-25B SS-53,108-8B
                                                                                                                                                                                                                                                                                   C321
470p
                                                                                                                                                                                                                                                                                                      IC305(2/2)
PC4570C
                                                                                                                                                                                                                            R319
2200
:RN
                                                                                                                                                                                                                                                                              R334 330k :RN
                                                                                      MS-39(39A),363-19 302-12 S TENSION SENSOR(-)
   Q1 G-3
Q51 B-5
Q52 B-5
Q53 B-5
Q101 B-4
Q102 B-4
Q103 B-4
Q151 M-2
Q152 N-4
Q153 M-3
Q154 N-5
Q155 M-3
                                                                                                                                                                                                                            R320
2200
:RN
                                                                                      MS-39(39A),363-20 302-11 S TENSION SENSOR(+)
                                                                                                                                                                                                                                                                  FR325 1 C318 5 7 C326 1 C325

$330 k 7 470 p − 5 v 7 0.022 7 0.022
                                                                                                                                                                                                                      R321
47k
:RN ₹
                                                                                                                                                                                                                      R322 
47k
:BN C310 
0.022 
T
                                                                                                                                                                                                                                             IC305(1/2)
pPC4570C
                                                                                                                                                                                                                                                                                                                                                              ADJUST GND 300-29B $S-53,108-10B
                                                                                                                                                                                                                                    1 C 3 0 2 (1 / 2 )
# P C 45 7 0 C
                                                                                                                                                                                                                                                                                                IC303(1/2) 5V
NJM2903D O
    Q155 M-3
Q201 B-1
Q202 B-1
Q203 B-2
Q204 B-2
Q205 B-3
Q206 B-3
Q207 B-3
Q207 B-3
Q208 B-4
Q251 N-1
Q252 N-1
Q253 N-2
Q254 M-2
Q255 N-3
Q256 N-3
Q256 N-3
Q257 N-3
Q258 N-4
Q301 H-2
Q302 K-1
Q303 K-2
                                                                                                                                                                                                                                                                                                  R316 D301 ≢R318
470k 188119 ≢2200
                                                                                       MS-39(39A),362-19 301-12
                                                                                                                                 DRUM FG(-)
                                                                                                                                                                                                                                                                                                                                                                                  300-18B SS-53,108-5A
                                                                                                                                                                                                                                                                                                                                                               DRUM FG
                                                                                       MS-39(39A),362-17 301-14 DRUM FG(+)
                                                                                                                                                                                                                                                                                 5 V I C 3 0 3 (2/2)
O NJM 2903D
                                                                                                                                                                                                                                                       IC301(1/2)
# PC4570C
                                                                                                                                                                                                                                                                         R309 R314 O 5 V
                                                                                                                                                                                                                                       R303 22
1 k 25 V
                                                                                                                                                                                                                                                             R307
180k
                                                                                       MS-39(39A),362-22 301-9 DRUM PG(+)
                                                                                                                                                                                                                                                                                                                                                                                 300-19B SS-53,108-5B
                                                                                                                                                                                                                                                                                                                                                              DRUM PG
                                                                                                                                                                                                                                                                                                    C309
                                                                                       MS-39(39A),362-23 301-8 DRUM PG(-)
                                                                                                                                                                                                                                                                             IC302(2/2)
# PC4570C
                                                                                                                                                                                                                                             IC301(2/2)
# PC4570C
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16-52 (a)

16-53 (a1)

UVW-1800/1600 UVW-1800P/1600P

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В

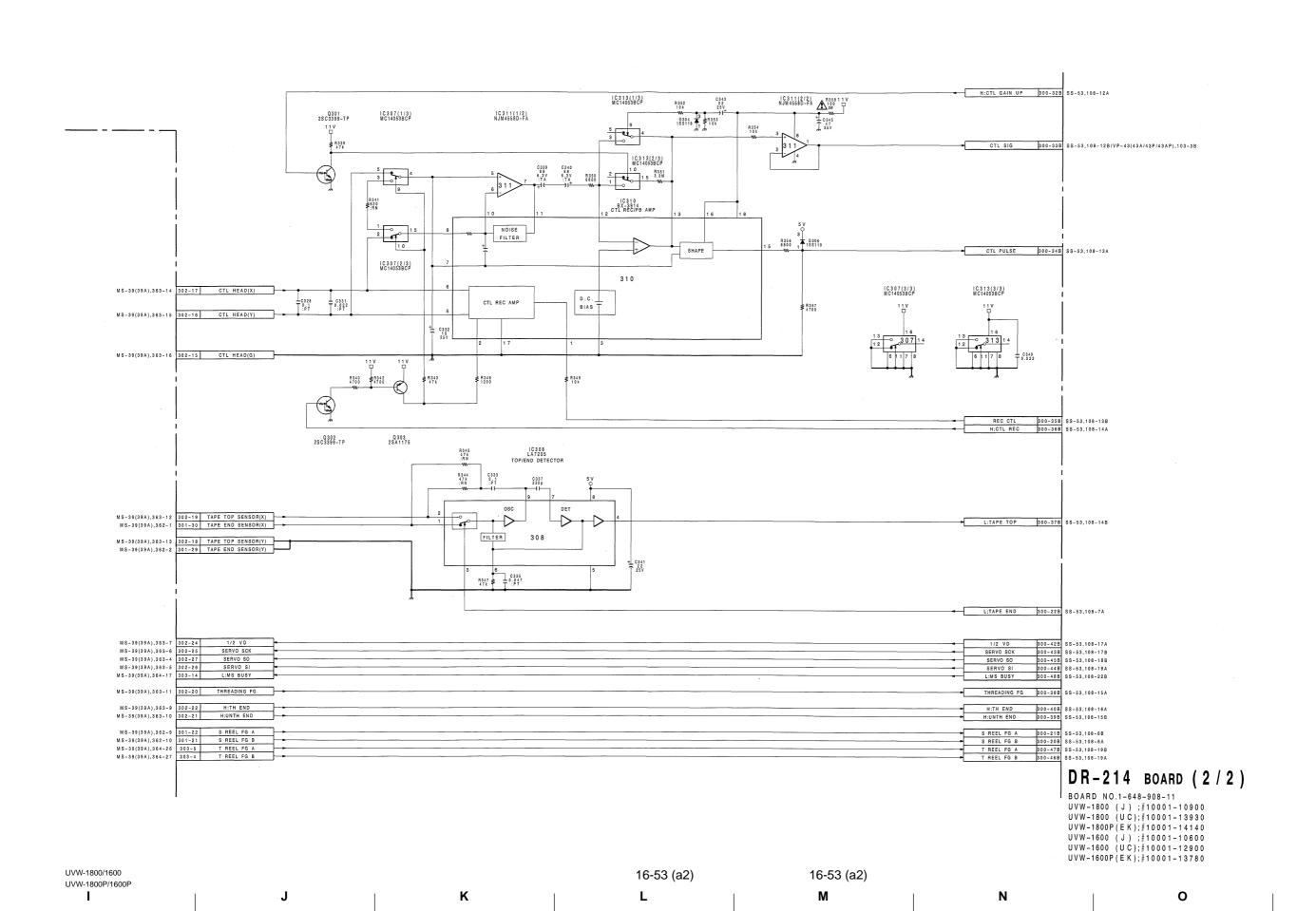
С

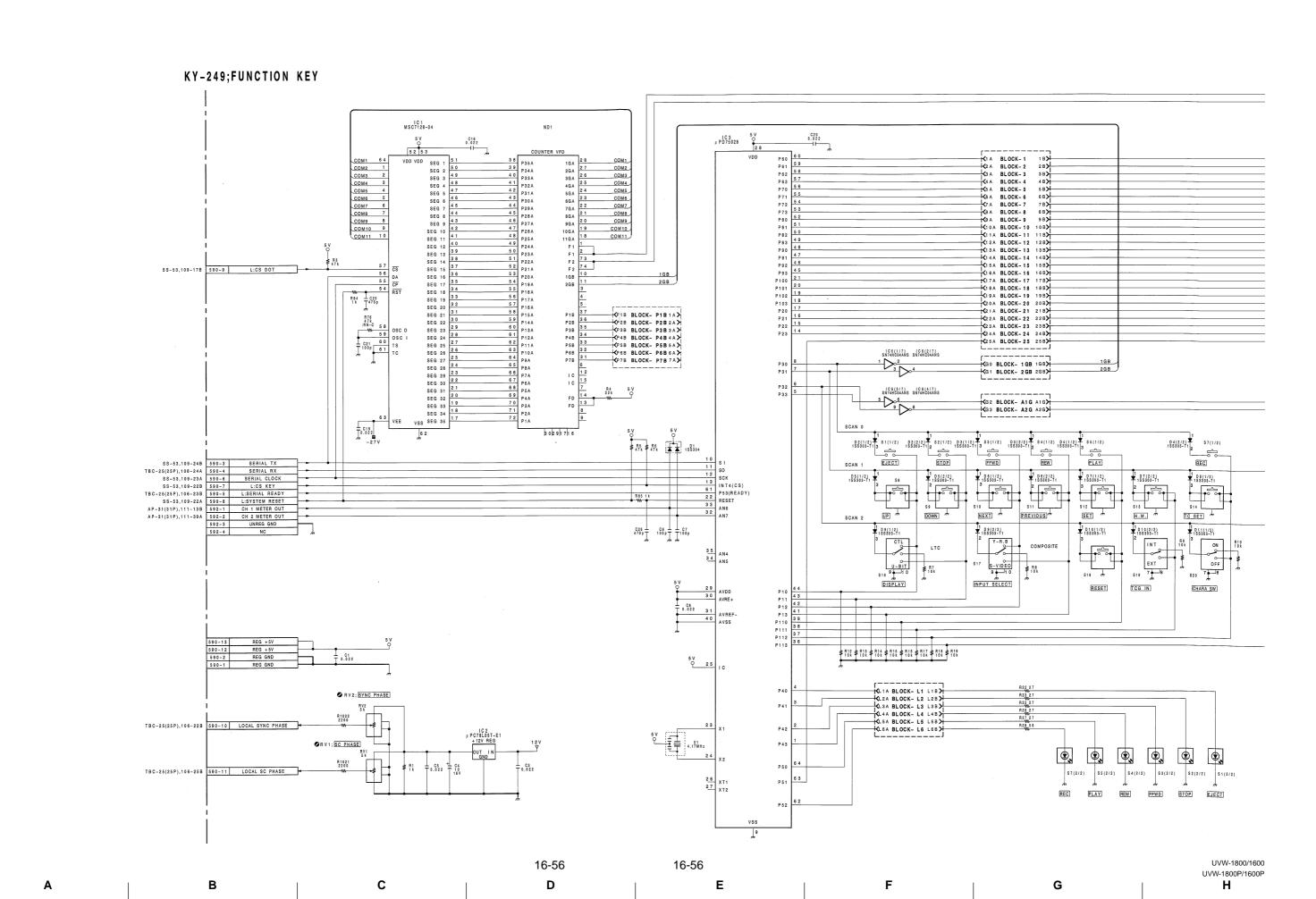
D

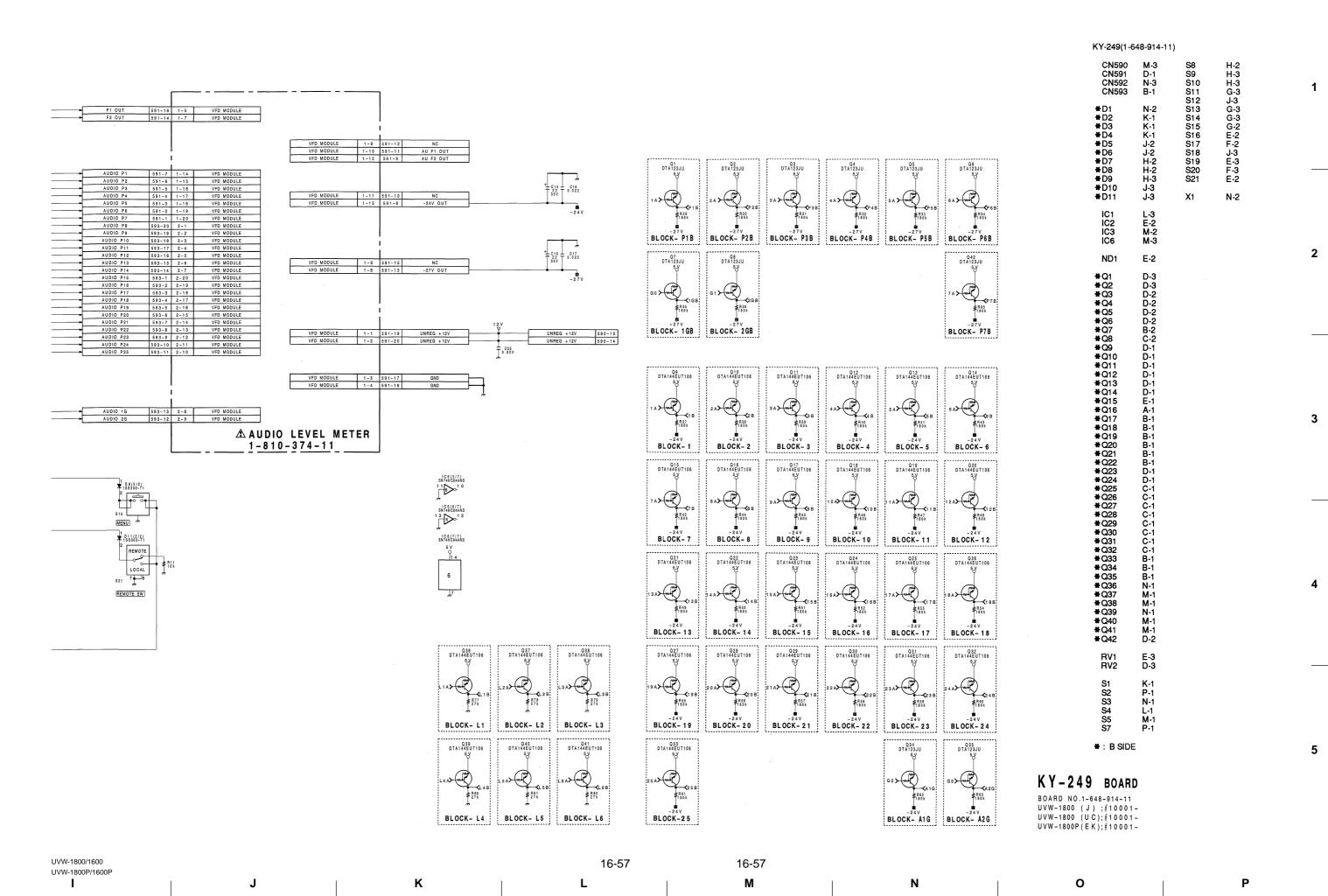
Ε

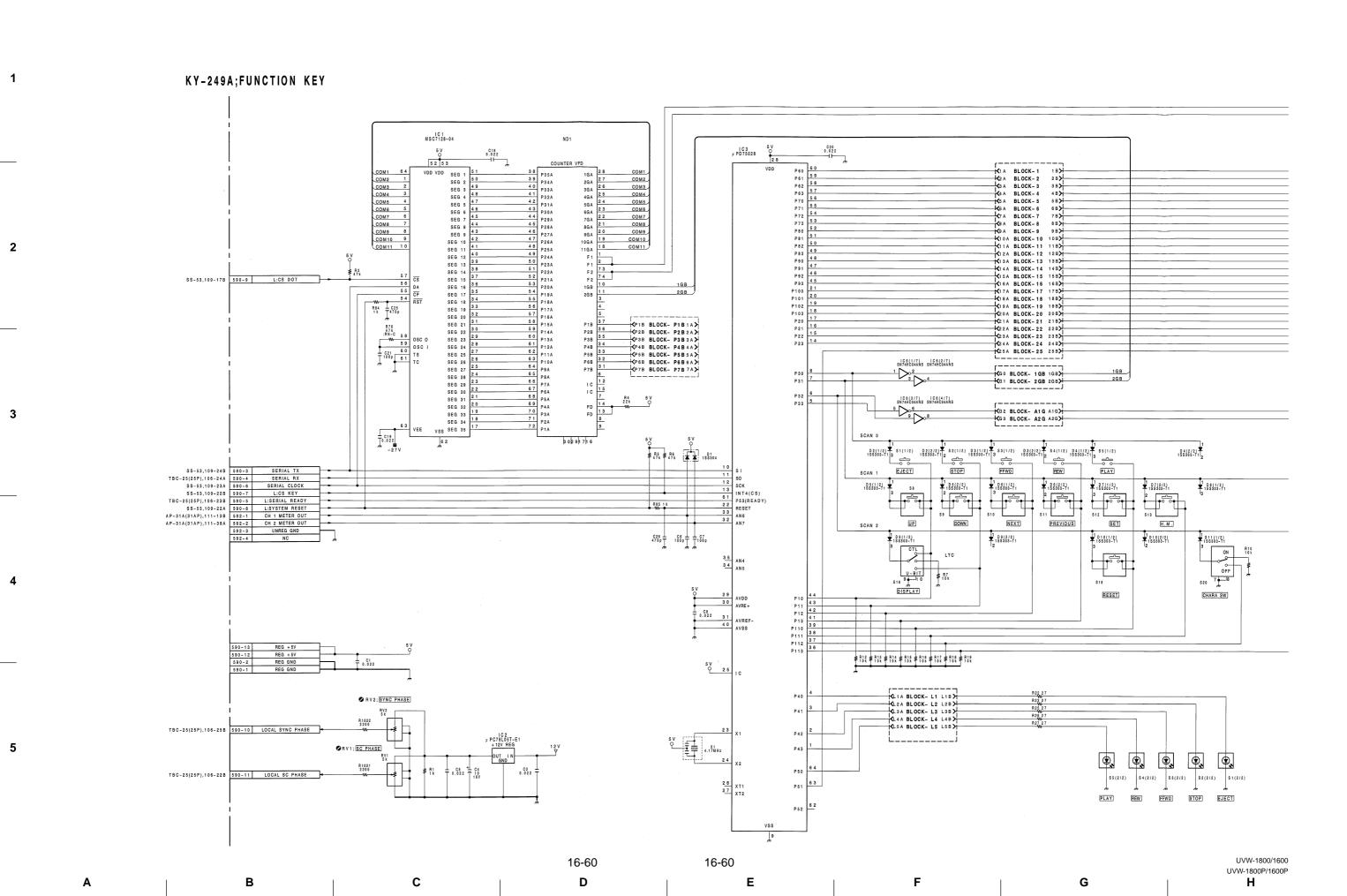
G

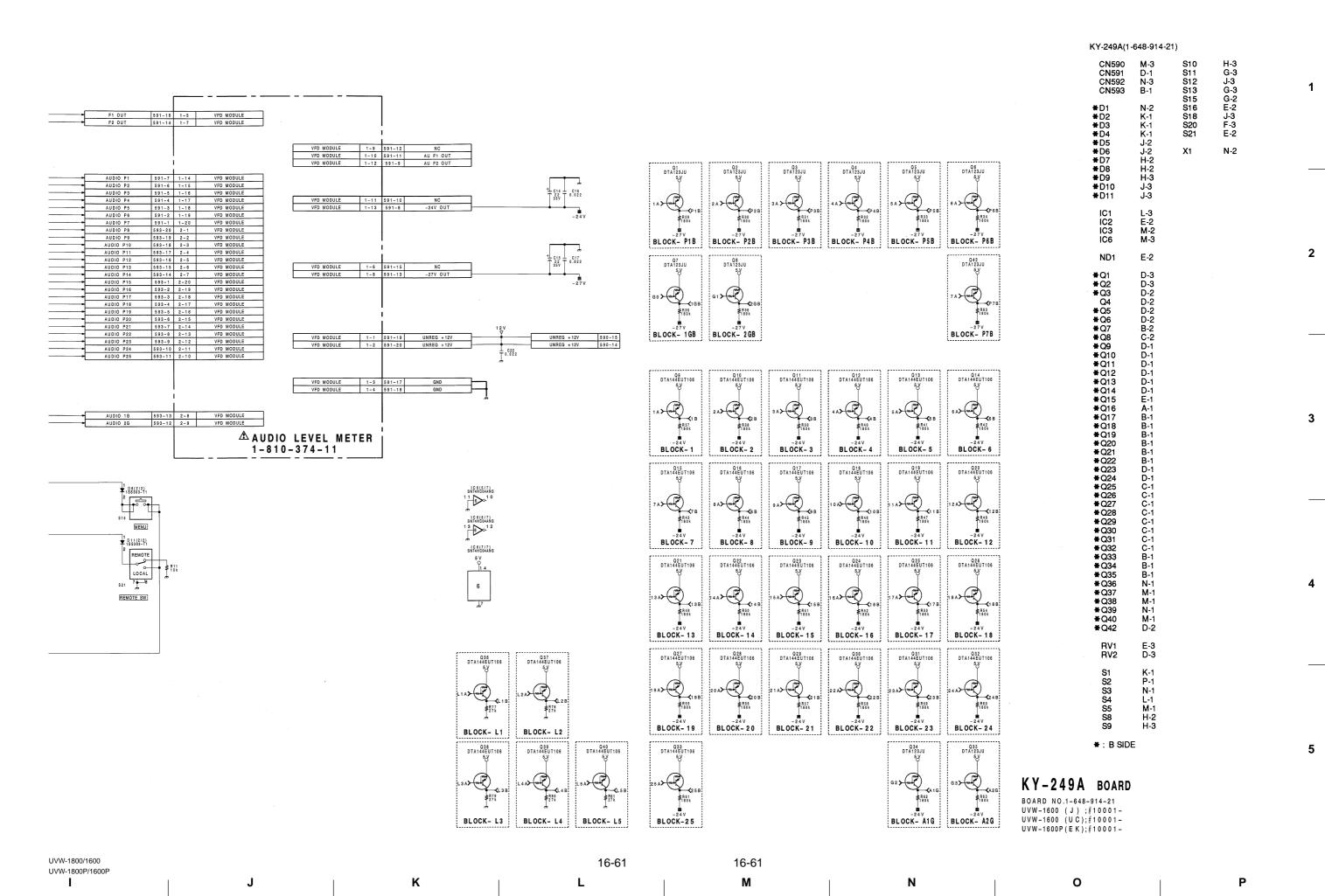
Ρ











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MS-39/39A (1-648-909-11, 12)

CN350 L-5

CN351 F-1

CN352 F-1

CN353 J-5

CN354 B-3
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CN355 D-3 CN356 B-1 CN357 J-1 CN358 C-3 CN359 K-5 CN360 F-5 CN361 G-5 CN362 B-2 CN363 G-4 CN364 K-2 F-2 F-2 B-2 M-2 K-1 K-1 D1 D1 D2 D3 D4 D7 D8 D9 D10 L-1 IC1 IC2 IC3 IC7 IC8 E-3 D-3 G-4 G-3 Q1 Q2 Q3 Q4 F-1 B-1 M-1

\_: UVW-1800/1800P ONLY

С

D

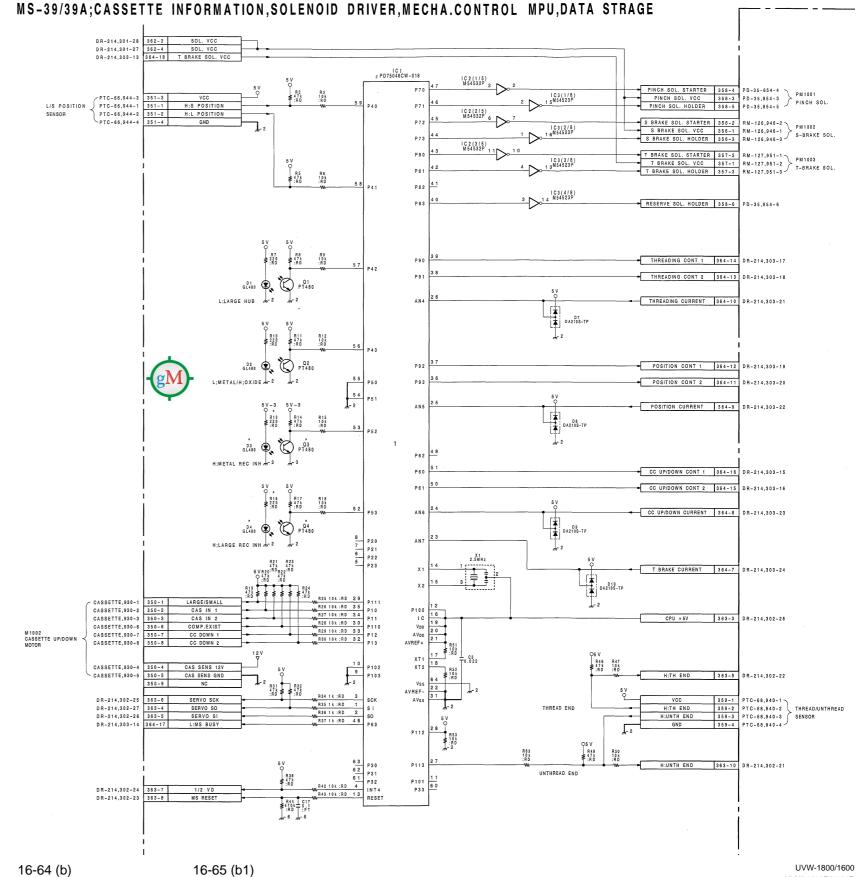
Ε

J-4

X1

В

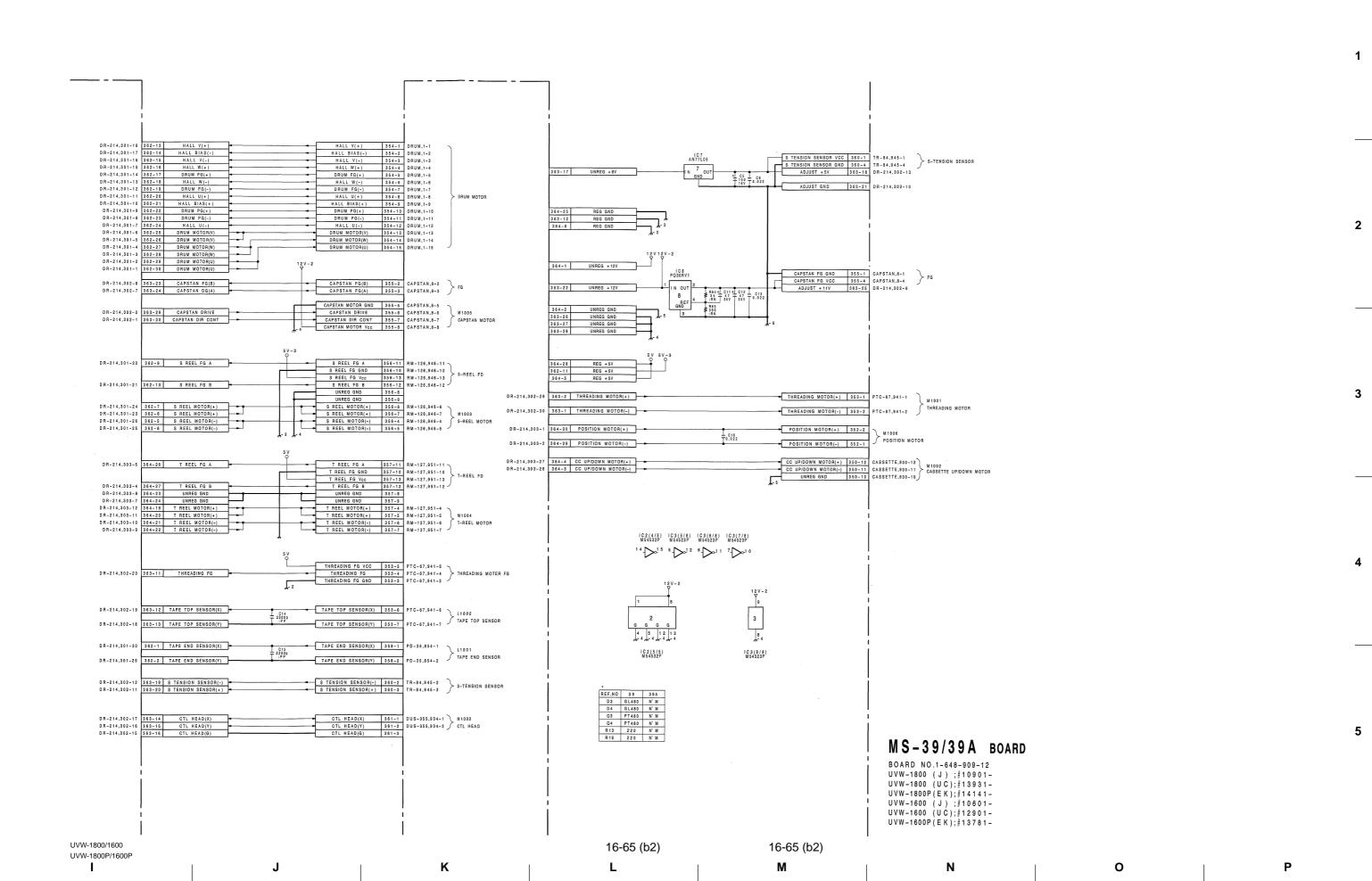
UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher



UVW-1800P/1600P

Н

G



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MS-39/39A
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UVW-1800P(EK); Serial

MS-39/39A

UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930

UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900

UVW-1600P(EK); Serial No.10001 through 13780

No.10001 through

MS-39/39A; CASSETTE INFORMATION, SOLENOID DRIVER, MECHA. CONTROL MPU, DATA STRAGE MS-39/39A (1-648-909-11, 12) CN350 L-5 CN351 F-1 DR-214,301-27 362-4 SOL. VCC DR-214,303-13 364-18 T BRAKE SOL. CN352 F-1 CN353 J-5 1C2(1/5) M54532P 3 CN354 B-3 CN355 D-3 PINCH SOL. STARTER 358-4
PINCH SOL. VCC 358-3
PINCH SOL. HOLDER 358-5
PD-35,854-5 2 15<sup>M54523P</sup> PTC-66,944-3 PTC-66,944-1 PTC-66,944-2 PTC-66,944-4 R3 10k :RD CN356 B-1 CN357 J-1 IC2(2/5) M54532P CN358 C-3 CN359 K-5 CN360 F-5 S BRAKE SOL. STARTER 356-2 RM-126,946-2 S BRAKE SOL. VCC 356-1 RM-126,946-1 S BRAKE SOL. HOLDER 356-3 RM-126,946-3 CN361 G-5 IC2(3/5) M54532P T BRAKE SOL. STARTER 357-2 RM-127,951-1 4 C3(3/8)
1 3M54523P CN362 B-2 T BRAKE SOL. VCC 357-1 RM-127,951-2 PM1003 T BRAKE SOL. HOLDER 357-3 RM-127,951-3 T-BRAKE SOL. CN363 G-4 R 6 1 0 k : R D CN364 K-2 3 1 4 M54523P F-2 F-2 B-2 M-2 K-1 K-1 D1 D2 D3 D4 D7 D8 D9 D10 RESERVE SOL. HOLDER 358-6 PD-35,854-6 THREADING CONT 1 364-14 L-1 O1 PT480 IC1 IC2 IC3 IC7 IC8 GL480 🕏 E-3 D-3 G-4 G-3 I:LARGE HUB DA210S-TP 811 ≢ 47k ≢ 180 R 12 10 k : R D Q1 Q2 Q3 Q4 F-1 B-1 M-1 D2 GL480 POSITION CONT 1 364-12 POSITION CONT 2 364-11 I METAL/H-OXIDE -2 **X**1 J-4 POSITION CURRENT 364-9 DR-214,303-22 D8 DA210S-TP R14 ≱ 47 k ≱ :R D \_: UVW-1800/1800P ONLY \* Q3 Q3 PT480 CC UP/DOWN CONT 1 364-16 CC UP/DOWN CONT 2 364-1 | R16 | R17 | \$220 | \$47k | #:RD | \$18D R18 10k :RD CC UP/DOWN CURRENT 364-8 DR-214,303-23 DA210S-TP # Q4 PT480 P20 P21 P22 P23 H;LARGE REC INH #-2 X1 2.5MHz 3 = 1 2 DA2108-TP LARGE/SMALL W. R26 10k :RD 35 W. R27 10k :RD 34 W. R27 10k :RD 30 W. R28 10k :RD 30 P110 CAS IN 1 CAS IN 2 COMP.EXIST CASSETTE,930-2 CASSETTE,930-3 ... R29 10k :RD 33 M1002 CASSETTE UP/DOWN MOTOR AVDD AVREF+

CC DOWN 1

CAS SENS GND

SERVO SI

16-64 (a)

16-65 (a1)

UVW-1800/1600 UVW-1800P/1600P

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CASSETTE,930-7

CASSETTE.930-8

CASSETTE.930-

DR-214,302-26 DR-214,303-14

DR-214.302-23

DR-214,302-25 363-6 DR-214,302-27

363-4

Ε

9

H42 10k :RD 4 R43 10k :RD 13

M R34 1k :RD 3 M R35 1k :RD 1 M R36 1k :RD 2 M R37 1k :RD 48

AVREF-

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DR-214,303-17

DR-214,303-18

DR-214,303-19

DR-214.303-20

363-3 DR-214,302-28

363-9 DR-214,302-22

359-1 359-2 359-3 359-3 359-4 PTC-68,940-2 PTC-68,940-3 PTC-68,940-4

363-10 DR-214,302-21

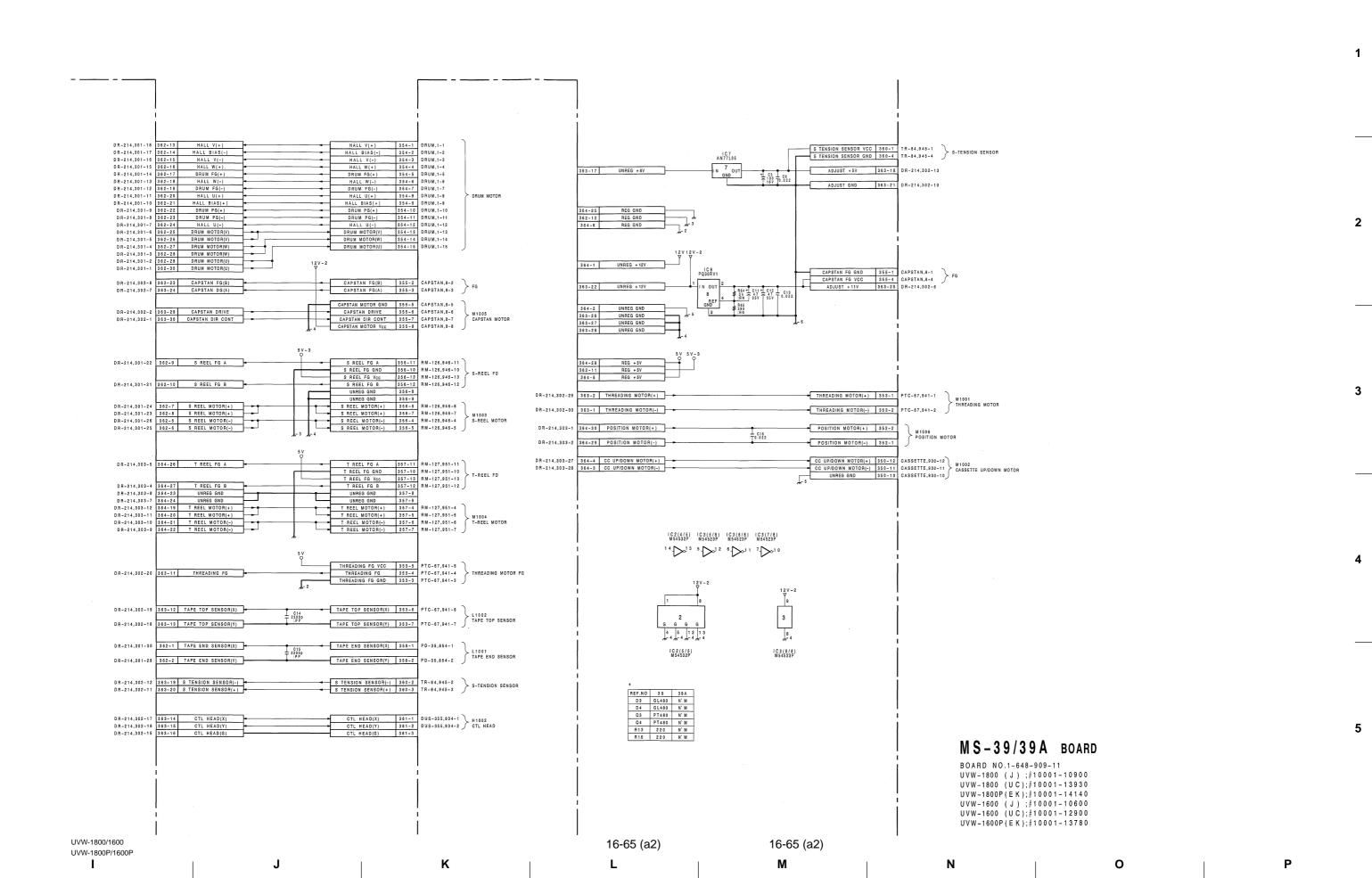
CPU +5V

H:TH END

O5 V R46 R47 ≸ 47k 10k F:RD :RD

O5 V R 49 ≢ 47 k ≢ : R D

UNTHREAD END



RP-70 (1-64	18-904-11	)				RP-70A (1-	648-904-21)
CN1 CN101 CN110 CN201 CN301	J-4 H-4 E-5 F-4 E-4	FS708 FS709 FS710 FS711 FS712	C-5 C-5 C-5 C-5	RV202 RV301 RV302 S1	G-3 E-2 F-3	CN1 CN101 CN110 CN201 CN301	J-4 H-4 E-5 F-4 E-4
#D701 #D702	D-2 D-5	FS713 FS714 FS715	E-5 F-5 G-5	S101 S201	H-3 F-3	<b>#</b> D702	D-5
#D702 #D703 #D704	D-3 D-4	FS716 FS717	J-5 D-1	S301 TP1 TP2	E-3 J-1 J-1	E2 E202	J-4 F-4
E1 E2 E201 E202 E601 FS20 FS30 FS4 FS55 FS6 FS7 FS101. FS102 FS203 FS204 FS203 FS204 FS205 FS206 FS301 FS302 FS303 FS304 FS305 FS506 FS507 FS506 FS507 FS506 FS507 FS506 FS507 FS507 FS508 FS509 FS511 FS604 FS507 FS509 FS511 FS604 FS507 FS509 FS511 FS604 FS507 FS507 FS508 FS509 FS511 FS604 FS507 FS509 FS511 FS604 FS507 FS509 FS510 FS511 FS604 FS507 FS607 FS707 FS607 FS707	U JJFFB JJJJJJHHHHHHFGFFGFEEEFFEEFFGHHHHHJJBBBBBBBBAABBABCCBBDDDDCCDD	FS717 FS717 FS718 FS719 FS720 FS721 FS722 FS723 FS724 FS725 FS726 IC1 IC2 IC301 IC302 IC301 IC302 FIC503 FIC602 FIC503 IC602 FIC503 IC704 FIC602 FIC705 IC706 IC707 IC708 FIC705 IC706 IC707 IC708 FIC705 IC706 IC707 IC708 FIC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC708 FIC707 IC708 FIC707 IC708 FIC707 IC708 FIC708 FIC707 IC708 FIC708 FIC708 FIC709 IC708 FIC	DDDHGGDEHH JJHHFGEEHGFABDDDDDDDD JJHHFFFEEHHAAAABBBBBBBBBBBBBBBBBBBBBBBBBBB	TP2 TP3 TP4 TP103 TP4 TP104 TP201 TP202 TP203 TP204 TP303 TP304 TP601 TP602	J-1 3 4 3 4 1 1 3 4 5 4 5 4 5 5 1 5 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	F\$2 F\$3 F\$6 F\$7 F\$101 F\$104 F\$105 F\$106 F\$201 F\$205 F\$205 F\$206 F\$301 F\$304 F\$305 F\$501 F\$504 F\$509 F\$614 F\$617 F\$618 F\$610 F\$702 F\$701 F\$702 F\$702 F\$701 F\$702 F\$702 F\$702 F\$703 F\$704 F\$705 F\$706 F\$707 F\$709 F\$710 F\$716 F\$720 F\$721 F\$722 F\$725 F\$726 IC2 IC102 IC202 IC302 IC703 IC704	J-J-J-J-H-H-H-F-G-G-F-E-F-H-H-B-A-B-C-C-B-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-D-C-D-D-C-C-J-H-G-G-D-H-H-J-H-G-B-D-D-D-D-D-C-D-D-C-D-D-C-D-H-H-J-H-G-B-D-D-D-D-D-D-D-D-D-D-D-D-D-D-D-D-D-D

# : B SIDE

http://getMANUAL.com

### RP-70/70P(1/2) ;Y RF REC/PB RP-70A/70AP(1/2); Y RF PB

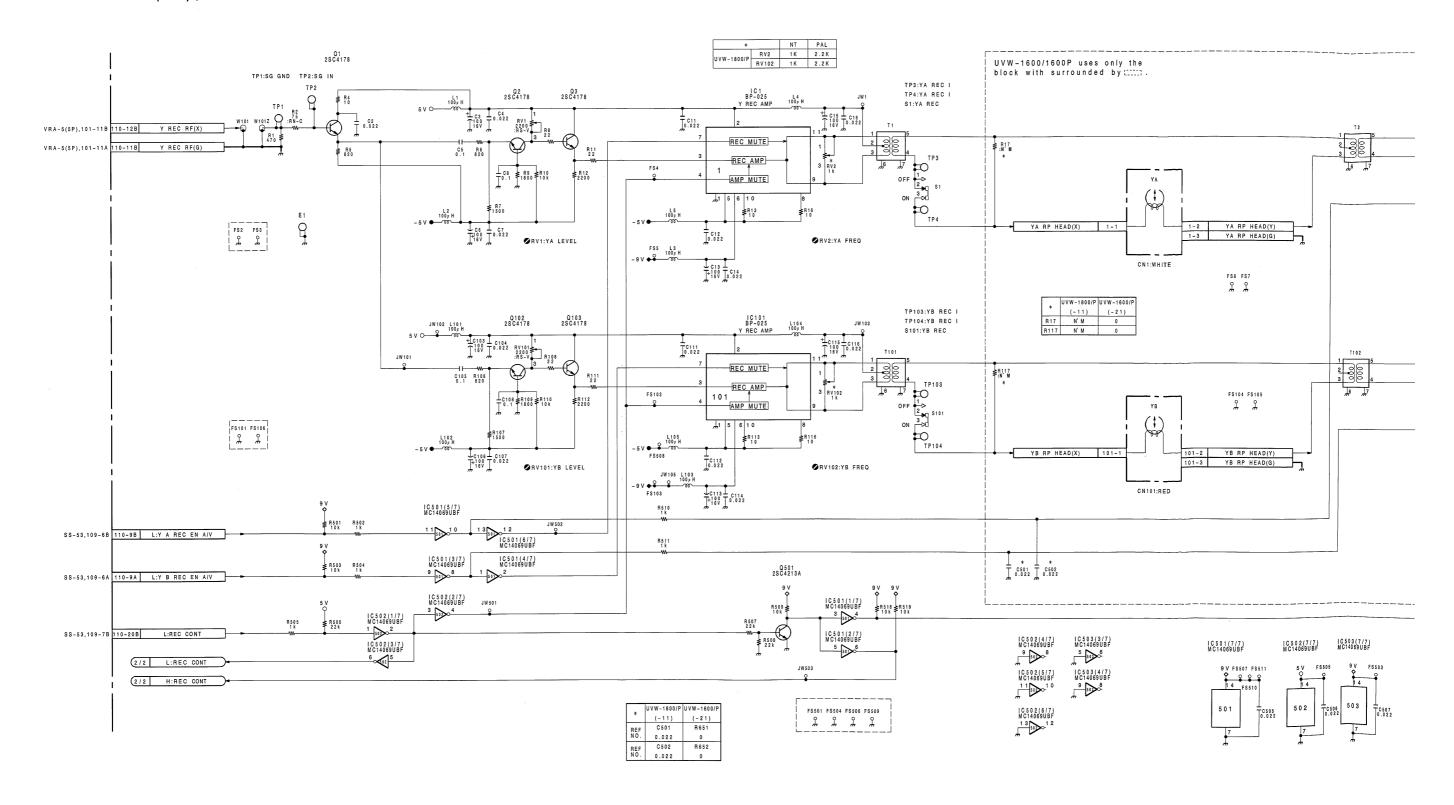
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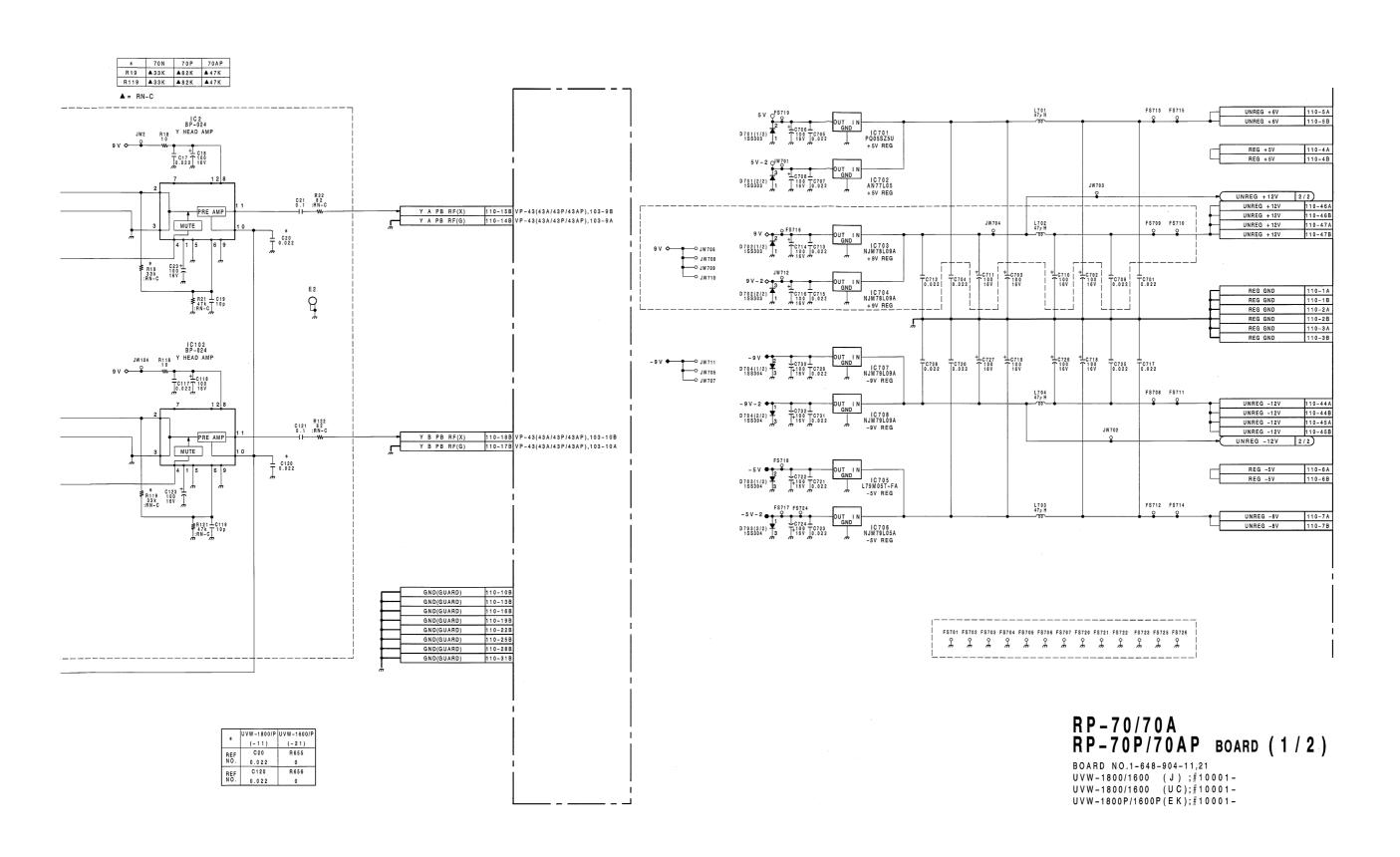


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RP-70 (1-64	8-904-11	)				RP-70A (1-6	648-904-21)
CN1 CN101 CN110 CN201 CN301 #D701 #D702 #D703 #D704	J-4 H-4 E-5 F-4 E-4 D-2 D-5 D-3 D-4	FS708 FS709 FS710 FS711 FS712 FS713 FS714 FS715 FS716 FS717	C-5 C-5 C-5 C-5 D-5 E-5 F-5 G-5 J-5	RV202 RV301 RV302 S1 S101 S201 S301	G-3 E-2 F-3 J-3 H-3 F-3 E-3	CN1 CN101 CN110 CN201 CN301 *D702	J-4 H-4 E-5 F-4 E-4 D-5 J-4 F-4
				TP1 TP2 TP3 TP4 TP103 TP104 TP201 TP202 TP203 TP204 TP303 TP304 TP601 TP602	J-1 J-3 J-4 J-4 J-1 J-3 J-4 J-4 J-1 J-1 J-1 J-1 J-1 J-1 J-1 J-1 J-1 J-1		F JJJJHHHHHFGGFEEFEEFHHBABCCBBBDDDDCCJHGGDHH JHGEDD

# : B SIDE

# RP-70/70P(2/2) ;C RF REC/PB,ROTARY/FULL ERASE OSC RP-70A/70AP(2/2);C RF PB

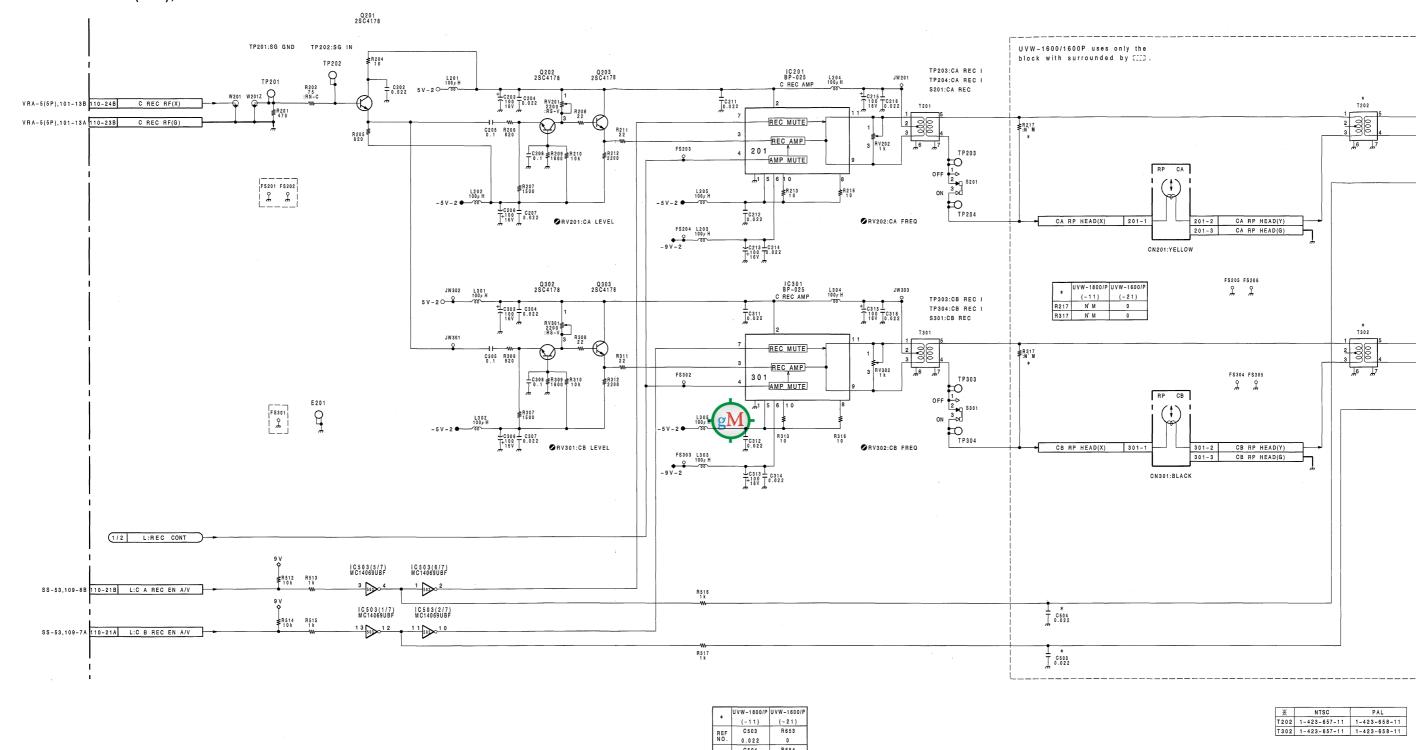
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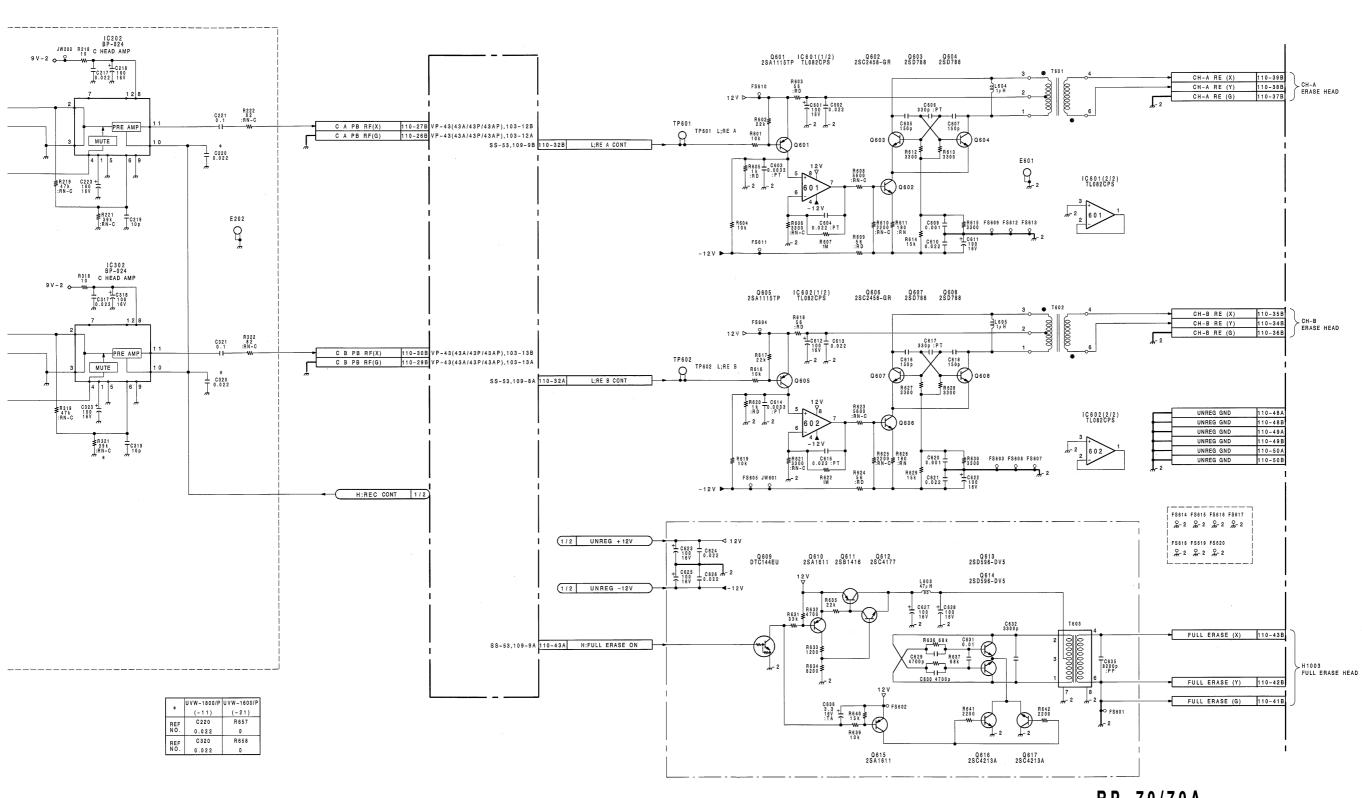
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16-73 (1) 16-73 (1) UVW-1800/1600 UVW-1800P/1600P **E F G H** 



RP-70/70A RP-70P/70AP BOARD (2/2)

BOARD NO.1-648-904-11,21 UVW-1800/1600 (J);#10001-UVW-1800/1600 (UC);#10001-UVW-1800P/1600P(EK);#10001-

# SS-53(1/4); SYSCON MAIN

SS-53(1-648-903-11) CNI4 CNI212 K-3 C-2 IC223 IC224 IC225 IC226 IC227 IC228 IC229 IC230 IC231 IC232 IC233 J-4 J-3 C-4 A-2 F-2 L-3 L-3 L-4 M-3 CN1 CN2 CN3 CN107 CN108 CN109 E-1 F-1 P-1 N-6 K-6 C-6 CV1 N-1 PS1 PS2 L-5 M-5 **#**D101 A 1 0 \*D102 \*D103 \*D104 \*D105 \*D200 A 1 1 #Q105 #Q106 #Q107 #Q108 A 1 2 B-5 B-4 B-5 D-5 D-5 D-5 D-5 J-3 J-3 A 1 3 A 1 4 A 1 5 A 1 6 CP-237(237A),532-4 109-26B #Q204 #Q205 **#**D201 CP-237(237A),532-3 109-26A R3 R6 IC8(1/5) 15k MC34051M **\***D202 #Q205 #Q206 #Q207 #Q208 #Q209 #Q210 \*D203 \*D204 CP-237(237A),532-CP-237(237A),532-6 109-25A \*D204 \*D205 \*D206 \*D207 \*D208 #Q211 **\***D210 ₹R7 ₹R9 ₹R12 ₹R14 ₹R57 ₹100k ₹100k ₹100k ₹100k ₹47k **\***D211 TBC-25(25P),106-19B 107-17A H:WIDE VRA-5(5P),101-18A 107-16A L:RGB INPUT SEL \*RB2 \*RB201 R69 1 k **#**D214 B-1 K-4 **\***D215 #RB202 #RB203 N-1 E-4 D-1 J-1 E1 E200 E201 E202 REFREQ 5 8 5 9 R /W \$ R43 \$ R45 \$ R47 \$ R49 47k \$ 47k \$ 47k S1 S201 IOSB SYSTEM ID SW 3/4 L:PAL/H:NTSC TP1 R-2 A-4 B-4 A-2 D-1 G-3 F-4 G-2 H-2 D-1 J-2 C-1 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC7 IC8 IC9 IC10 IC11 IC12 IC15 IC100 IC201 IC202 IC203 IC204 IC206 IC207 IC208 IC209 IC211 IC212 IC213 IC214 IC215 IC216 IC217 IC212 IC217 IC219 IC220 IC221 IC221 IC217 IC219 IC220 IC221 IC221 TP100 TP103 TBC-25(25P),105-11B 107-11B TBC-25(25P),105-12A 107-12A PB FP1 PB FP2 TP201 TP202 TP203 TP205 TP206 TP207 TP211 TP216 TP217 TP219 TP223 TP224 TP225 VRA-5(5P),101-21A 107-21A VRA-5(5P),101-21B 107-21B INPUT FP2 TBC-25(25P),105-8B 107-8B REF 1ST FIELD TBC-25(25P),105-11A 107-11A H:EXT SYNC DET
TBC-25(25P),105-10B 107-10B H:EXT SC DET
TBC-25(25P),105-5B 107-5B L:NO SIG IC9(1/9) SN74HC541ANS IC9(3/9) SN74HC541ANS IC9(2/9) SN74HC541ANS F R56 ≠ R33 1 8 R36 10k 5V 2 4 R37 10k 4 7 R38 10k 6 9 R39 10k TBC-25(25P),106-24A 109-24A
TBC-25(25P),106-24B/ KY-249(249A),590-3 109-24B SERIAL TX TBC-25(25P),106-23A/ KY-249(249A),590-6 109-23A SERIAL CLOCK SCKO 5 9 1 100k TBC-25(25P),106-23B 109-23B L:SERIAL READY I ≢ R31 ≢ R35 # 47k ≠ 47k IC9(4/9) SN74HC541ANS X1 X101 X200 R-2 A-3 G-1 R40 ≸ 10k INTP1 TC INT INTP2 4 / 4 3 / 1/2 VD RESET IC7 M51958A OE1 TBC-25(25P),106-22A/KY249(249A),590-8 109-22A L:SYSTEM RESET IC9(5/9) SN74HC541ANS IC10(1/7) SN74HC04ANS

16-77 (1)

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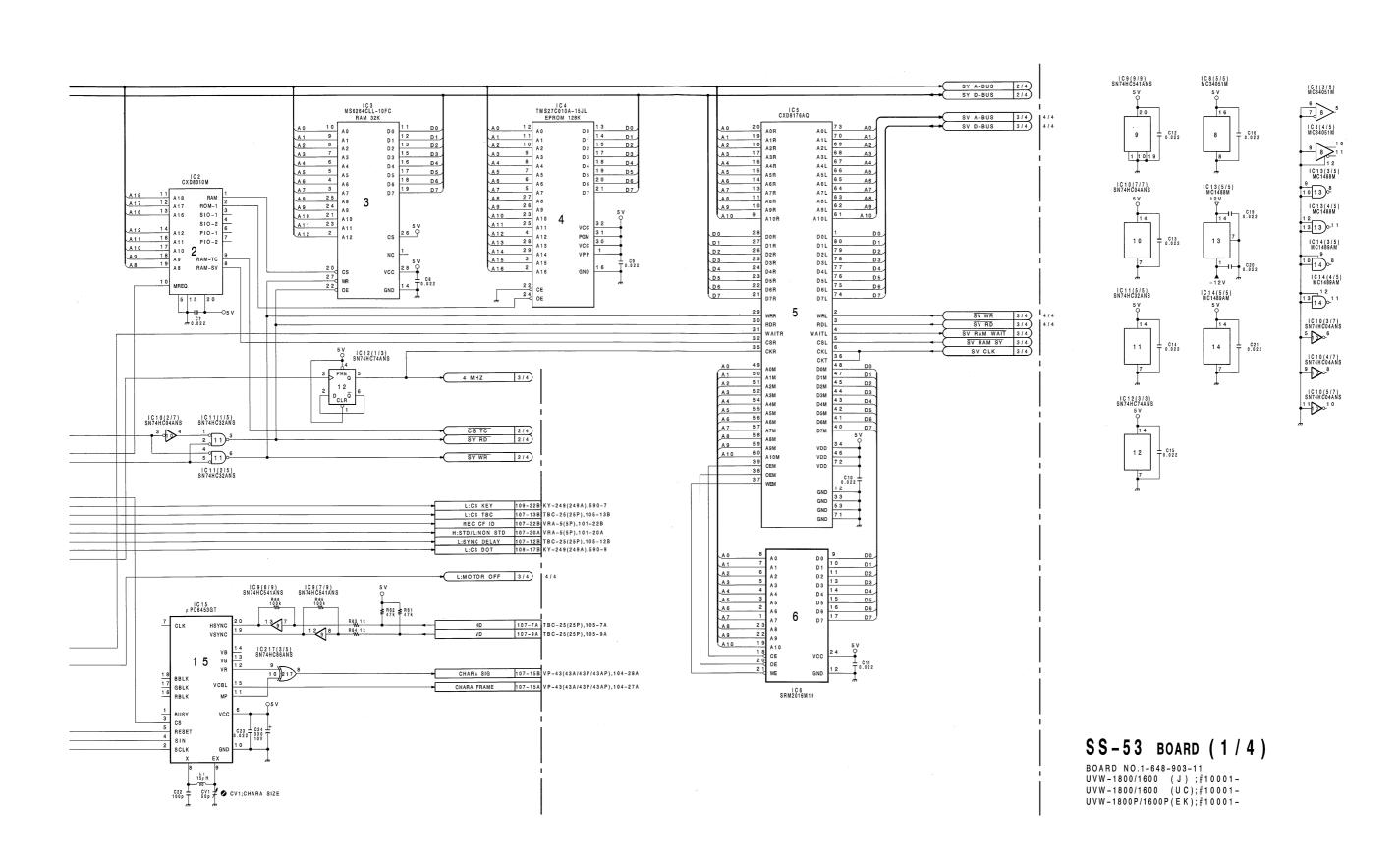
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16-77 (2) 16-77 (2) J K L M

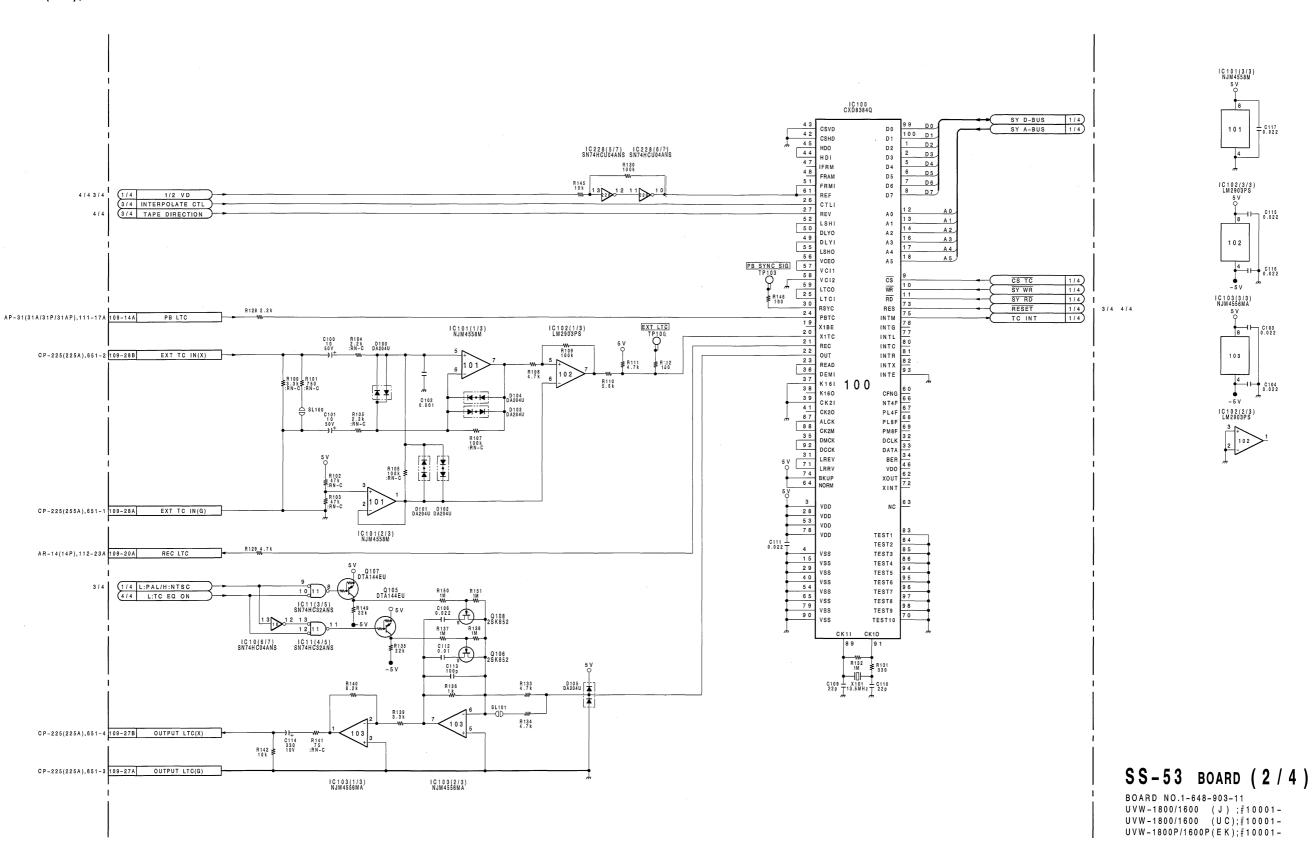
UVW-1800/1600

UVW-1800P/1600P

SS-53(1-648-903-11) CNI4 K-3 CNI212 C-2 IC223 IC224 IC225 IC226 IC227 IC228 IC229 IC230 IC231 IC232 IC233 J-4 J-3 C-4 A-2 F-2 L-3 H-3 L-4 M-3 CN1 CN2 CN3 CN107 CN108 CN109 E-1 F-1 P-1 N-6 K-6 C-6 CV1 N-1 PS1 PS2 L-5 M-5 \*D100 \*D101 \*D102 \*D103 \*D104 \*D105 \*D200 \*D201 \*D202 \*D203 \*D206 \*D206 \*D207 \*D208 \*D207 \*D208 \*D211 \*D211 \*D213 \*D213 \*D214 \*D215 #Q105 #Q106 #Q107 #Q108 #Q204 #Q205 #Q206 #Q207 #Q208 #Q209 #Q210 B-5 B-4 B-5 D-5 D-5 D-5 D-5 J-3 J-3 \*RB1 \*RB2 \*RB201 \*RB202 \*RB203 P-3 R-2 E-1 B-1 K-4 E1 E200 E201 E202 N-1 E-4 D-1 J-1 S1 S201 R-4 B-1 TP1
TP100
TP103
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TP203
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TP216
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TP224
TP224
TP225 R-2 A-4 B-4 A-2 A-2 D-1 H-3 G-3 F-4 G-2 G-3 D-1 H-2 J-2 C-1 R-2 A-3 G-1 X1 X101 X200

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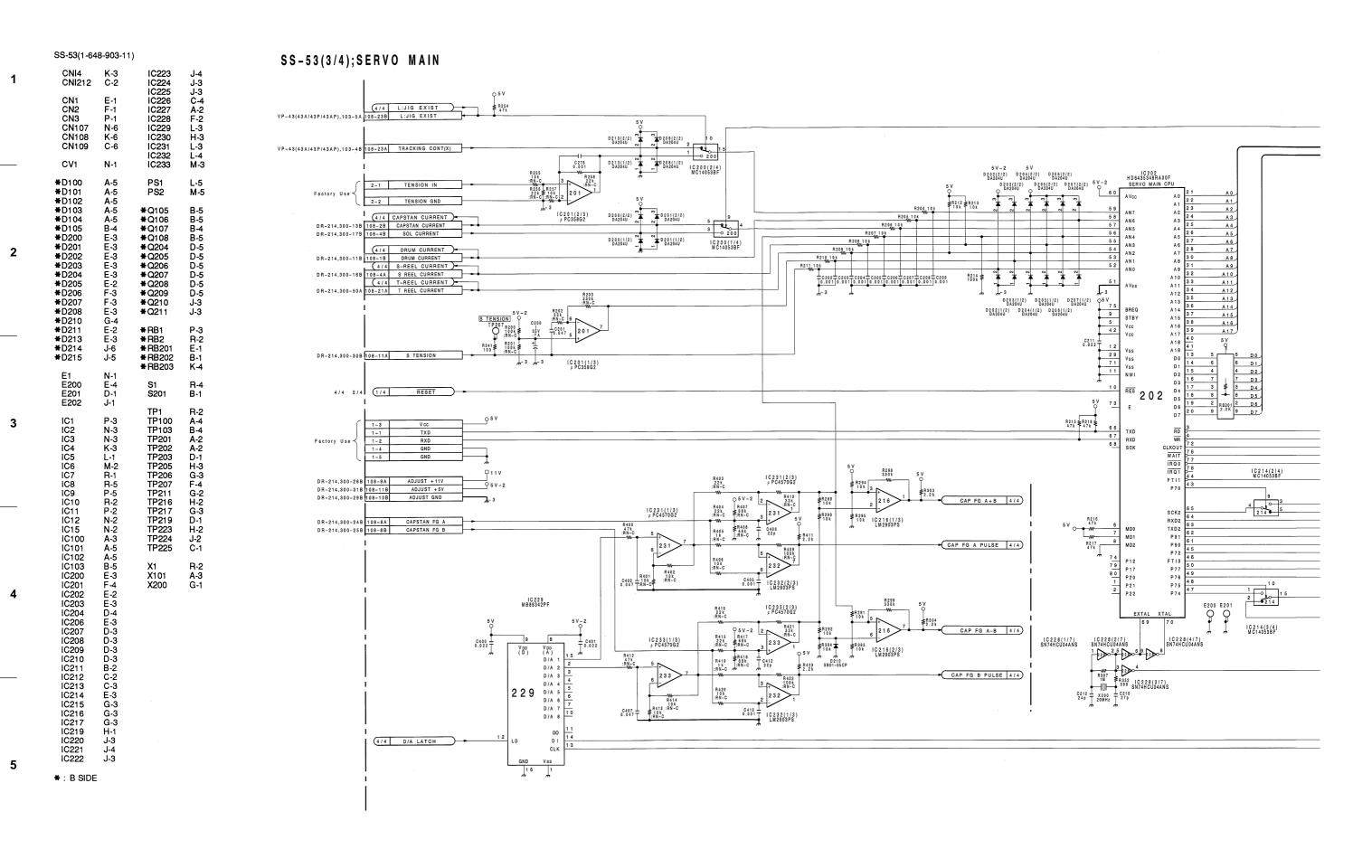
# SS-53(2/4);TC GENERATOR/READER



UVW-1800/1600 UVW-1800P/1600P A B C D E F G 3

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16-85 (1)

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UVW-1800/1600 UVW-1800P/1600P

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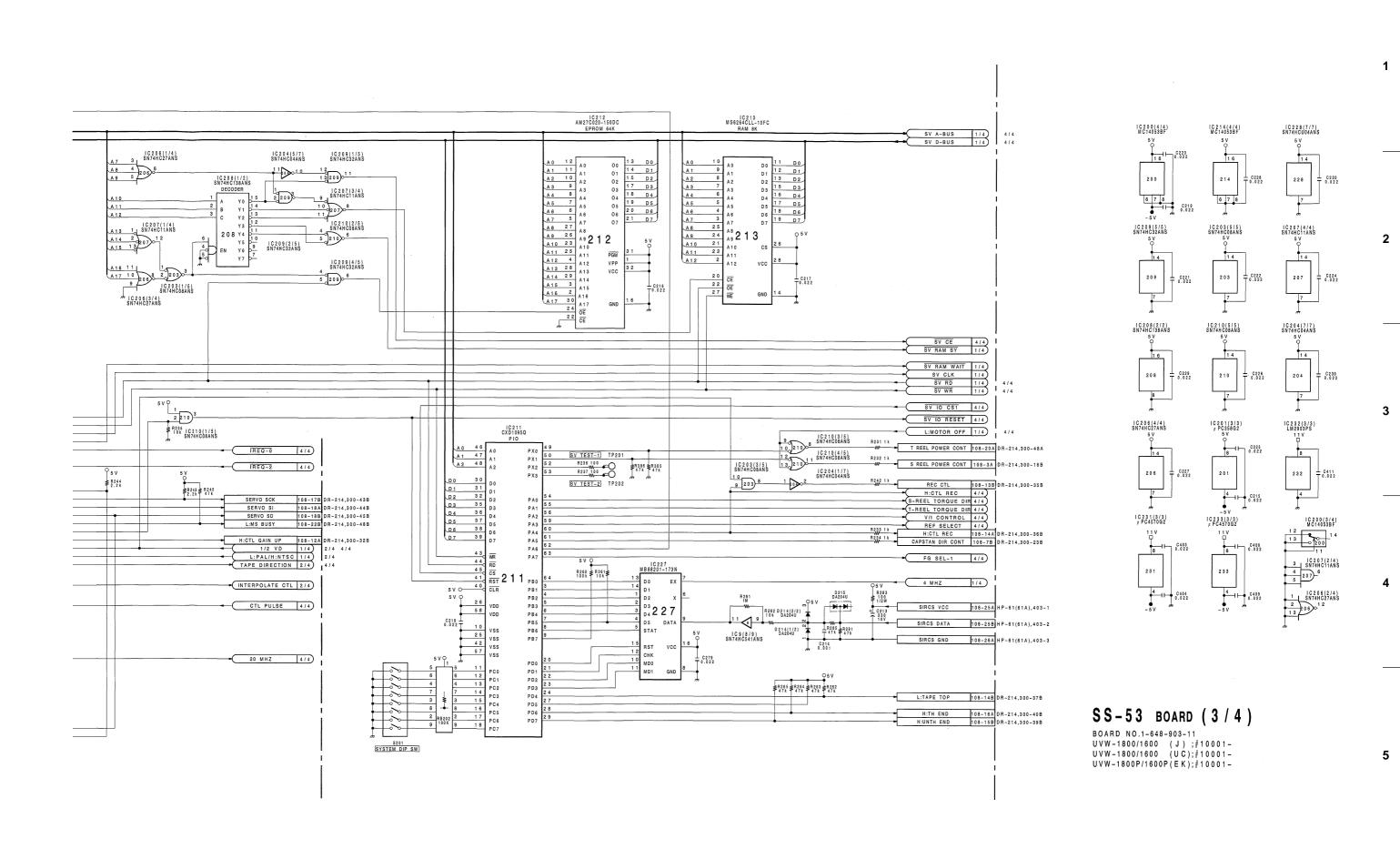
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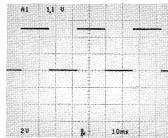
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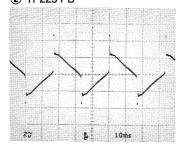
SS-53(1-648-903-11) CNI4 K-3 CNI212 C-2 IC223 IC224 IC225 IC226 IC227 IC228 IC229 IC230 IC231 IC232 IC233 J-4 J-3 C-4 A-2 F-2 L-3 H-3 L-4 M-3 CN1 CN2 CN3 CN107 CN108 CN109 E-1 F-1 P-1 N-6 K-6 C-6 CV1 N-1 PS1 PS2 L-5 M-5 \*D100 \*D101 \*D102 \*D103 \*D104 \*D105 \*D200 \*D201 \*D202 \*D203 \*D205 \*D206 \*D207 \*D207 \*D211 \*D211 \*D211 \*D213 \*D214 \*D213 #Q105 #Q106 #Q107 #Q108 #Q204 #Q205 #Q206 #Q207 #Q208 #Q209 #Q210 #Q211 \*RB1 \*RB2 \*RB201 \*RB202 \*RB203 P-3 R-2 E-1 B-1 K-4 E1 E200 E201 E202 N-1 E-4 D-1 J-1 S1 S201 R-4 B-1 TP1
TP100
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TP219
TP224
TP225 R-2 A-4 B-4 A-2 D-1 H-3 G-3 F-4 G-2 H-3 D-1 H-2 C-1 R-2 A-3 G-1 X1 X101 X200 # : B SIDE

### For J,UC

### 1 TP219 EE/REC/PB

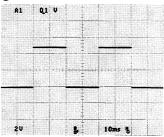


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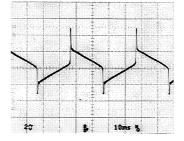


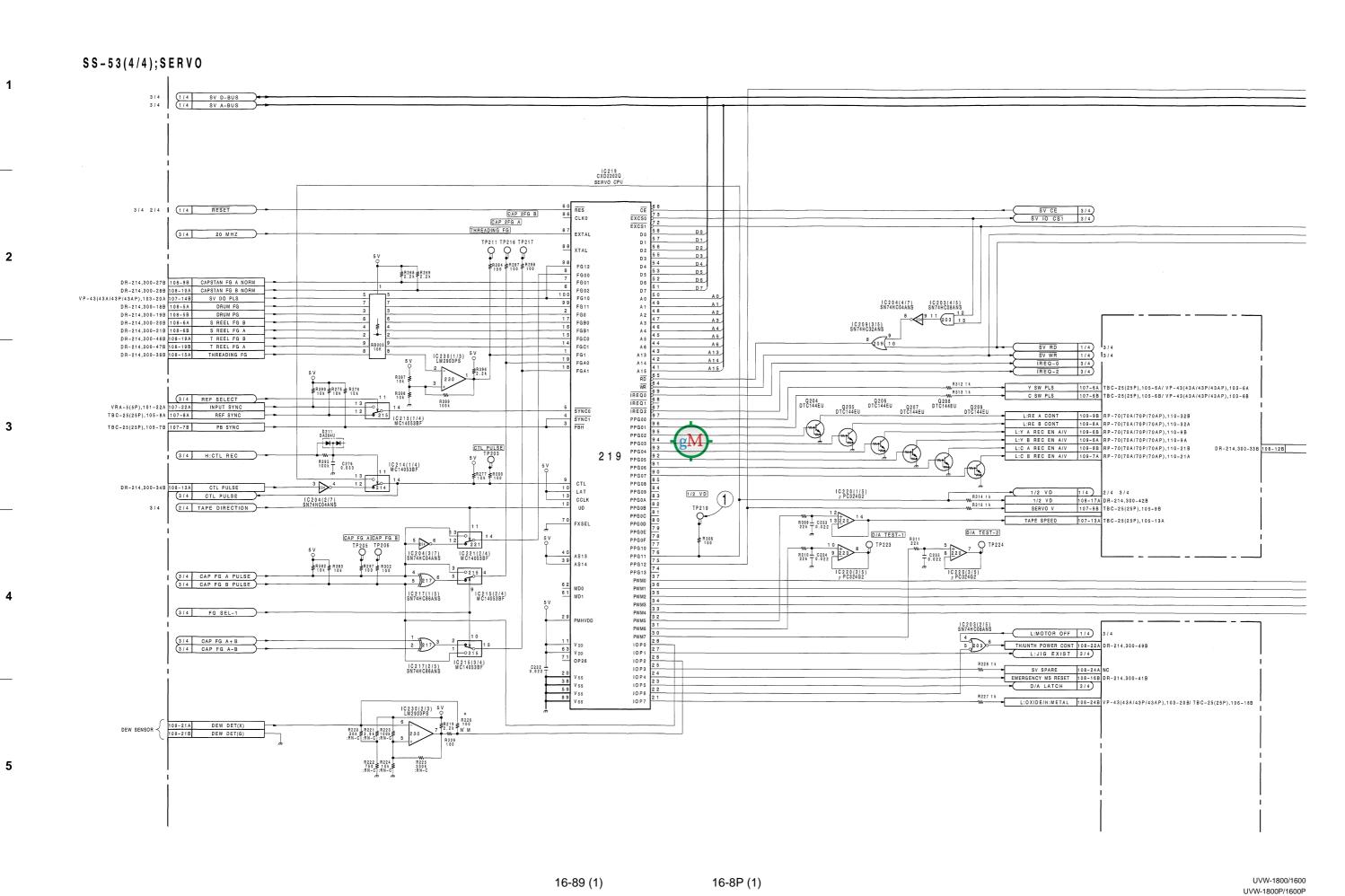
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#### 1 TP219 EE/REC/PB



#### ② TP225 PB





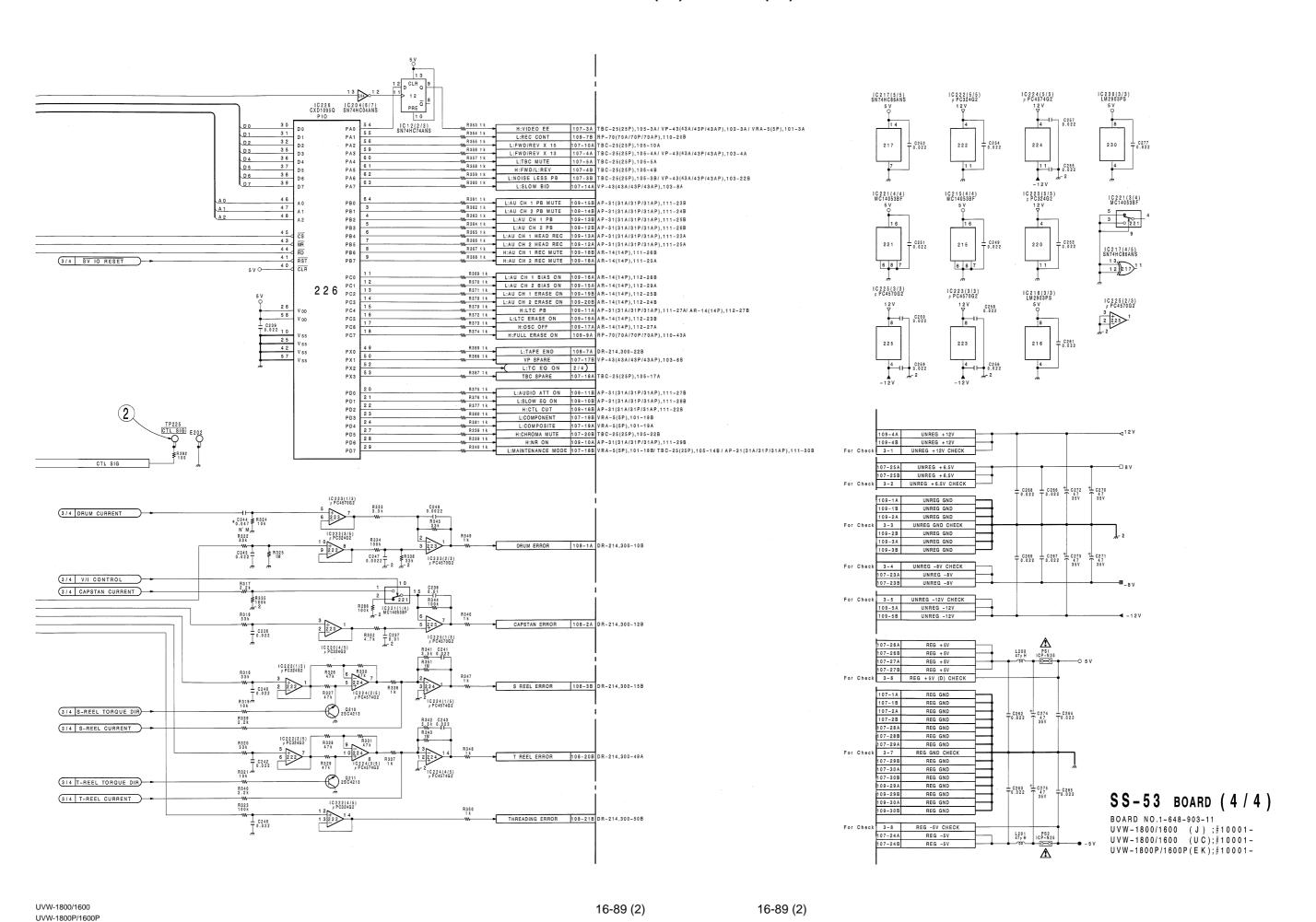
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TBC-25 (1-648-901-11, 12) IC404 R-4 IC405 R-4 IC406 M-5 IC407 N-4 IC408 M-4 IC409 N N-5 IC501 L-2 IC502 L-4 IC503 L-2 **#**Q101 C-1 C-3 C-1 TP702 TP703 TP704 #Q102 CN105 CN106 \*Q102 \*Q103 \*Q104 \*Q200 \*Q201 \*Q202 C-6 X700 X701 C-2 C-2 CV700 CV701 C-2 C-2 0 **#**Q203 IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC509 **#**Q300 J-2 J-4 H-2 H-3 G-6 H-4 G-3 F-6 H-1 \*Q301 \*Q302 \*Q303 \*Q304 \*Q305 M-3 M-3 **\***D2 \*D100 \*D101 \*D102 \*D200 N-3 3 N-2 2 R-2 2 R-2 2 P P-4 4 M-4 4 K-2 2 G-1 1 M-5 5 A 2 2 C -2 C -2 **#**D301 #Q306 **#**D302 **\***Q400 IC510 IC511 IC512 IC513 IC514 IC515 IC516 IC517 IC518 **#**D303 #Q401 **\***D304 #Q402 \*D305 \*D401 \*D402 \*D403 #Q403 #Q404 #Q405 #Q406 **₩**D404 #Q407 **\***D502 #Q500 \*D502 \*D503 \*D504 \*D505 △\*D506 ○\*D506 #Q500 #Q501 #Q502 #Q503 #Q700 #Q701 #Q702 #Q702 #Q703 #Q704 #Q705 #Q706 #Q707 #Q708 #Q709 **#**D702 **\***D703 E200 E300 E400 E500 E501 E700 E701 N-3 M-1 R-5 D-1 J-3 E-4 B-2 \*Q710 \*Q711 R-3 RV100 RV200 RV300 IC701 IC701 IC702 IC703 IC704 IC705 IC706 IC707 IC708 FL500 A-2 4-2 A-3 4-5 5-5 3-3 C-3 A-4 2-2 A-3 5-5 5-5 4-4 B-3 B-4 5-5 5-5 4-4 B-3 FL500 FL501 FL502 E-1 D-1 RV301 N-1 RV400 RV401 RV500 RV501 P-1 P-5 F-1 F-1 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC100 IC101 IC102 IC103 IC200 IC300 IC301 IC304 IC304 IC305 IC306 IC307 IC308 IC307 IC308 M-2 D-1 A-1 B-1 RV502 IC709 RV700 RV701 IC711 IC712 RV702 B-1 RV703 IC713 IC714 IC715 IC716 S500 **J**-1 TH400 \*TH701 P A-1 IC717 IC718 IC719 IC720 IC721 IC722 IC723 IC724 IC725 IC726 IC727 N TP100 TP101 TP200 N-3 R-3 TP200 TP201 TP300 TP301 TP303 TP400 TP401 TP402 N-3 R-1 P-2 P-2 M-5 N-4 N-4 E-1 D-1 C-5 C-4 TP500 TP501 IC400 LV400 M-4 TP502 IC402 R-5 R-5 TP700 R-3 **#**Q100 IC403 TP701

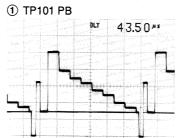
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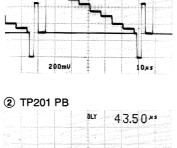
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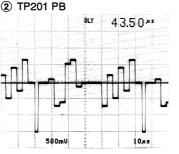
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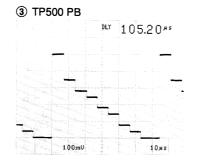
O: 1-648-901-12 ONLY

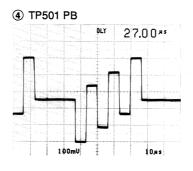
For J,UC

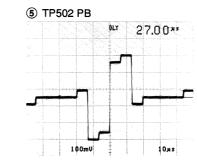




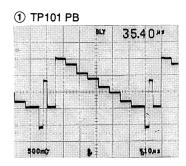


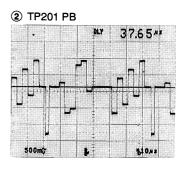


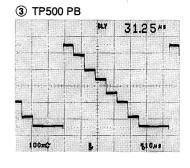


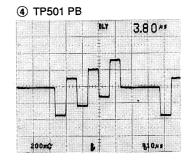


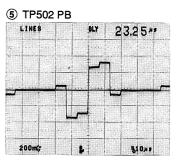
For EK







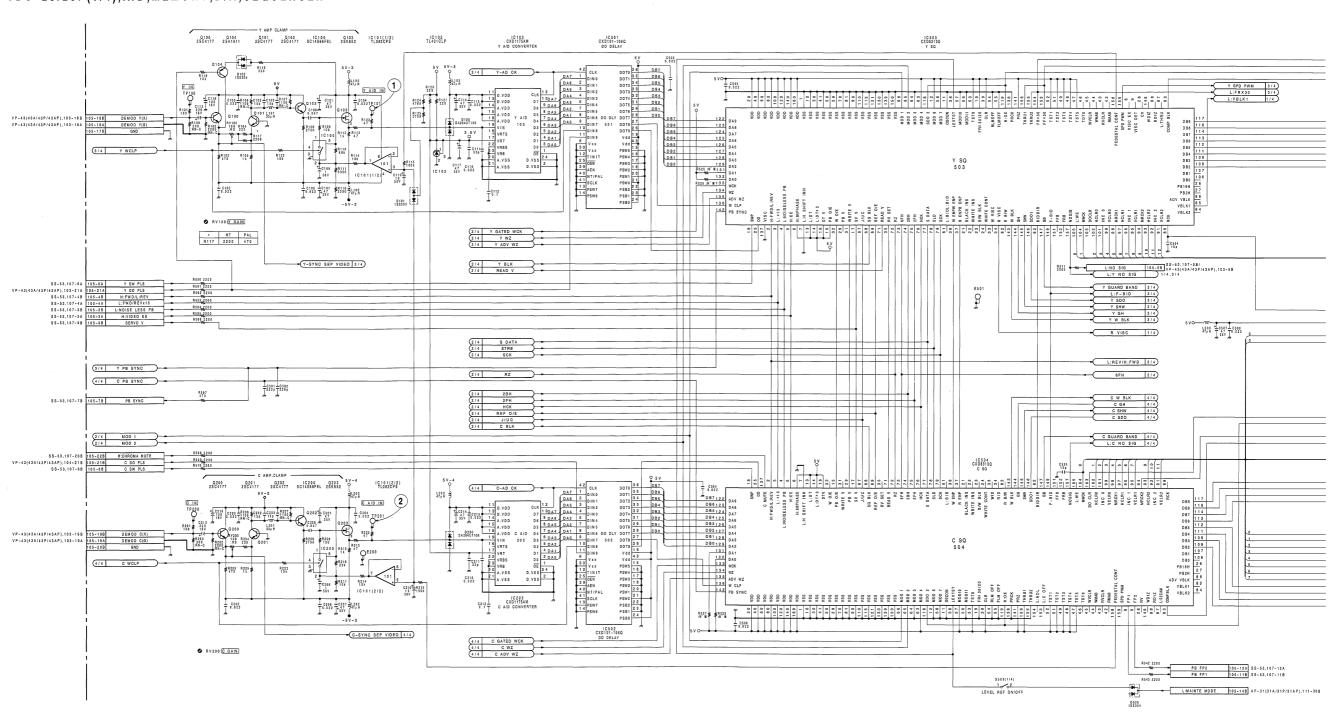




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\begin{array}{c} UVW-1800 & (J) & ;Serial & No.10901 & and & higher \\ UVW-1800 & (UC);Serial & No.13931 & and & higher \\ UVW-1800P(EK);Serial & No.14141 & and & higher \\ UVW-1600 & (J) & ;Serial & No.10601 & and & higher \\ UVW-1600 & (UC);Serial & No.12901 & and & higher \\ UVW-1600P(EK);Serial & No.13781 & and & higher \\ \end{array}
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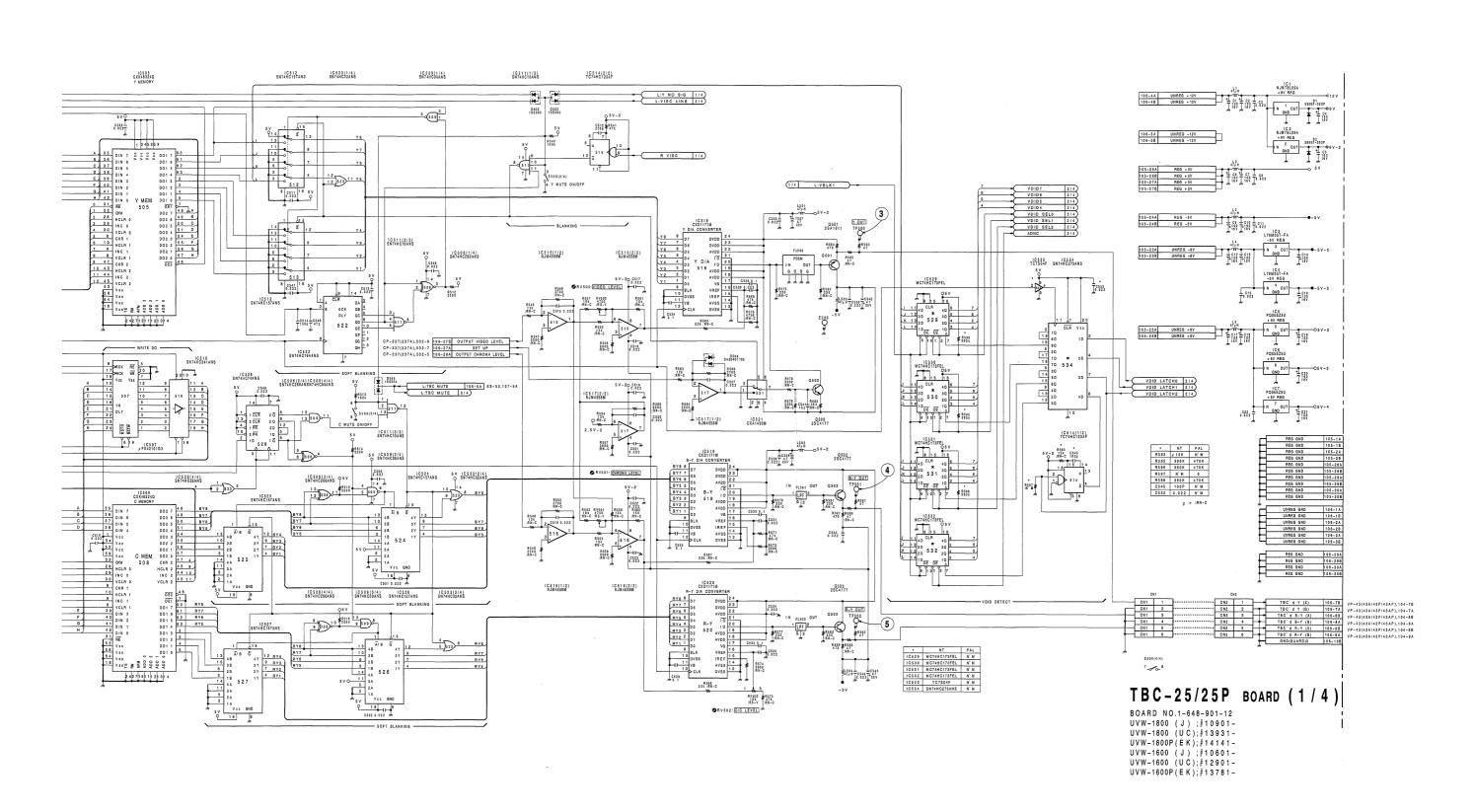
TBC-25/25P(1/4); A/D, MEMORY, D/A, SEQUENCER

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16-93 (b1) 16-93 (b1) UVW-1800/1600 UVW-1800P/1600P

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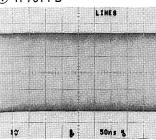
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UVW-1800/1600 UVW-1800P/1600P I J K I L M

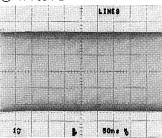
TBC-25 (1-648-901-11, 12) CN1 CN2 CN105 CN106 C-1 C-3 C-1 TP702 **#**Q101 \*Q102 \*Q103 TP703 TP704 P-3 P-3 R-3 R-2 P-1 P-1 P-2 R-5 F-5 M-4 R-5 N-6 C-6 **₩**Q104 #Q200 #Q201 X700 X701 C-2 C-2 CV700 CV701 C-2 C-2 #Q202 #Q203 \*D1 \*D2 \*D100 \*D101 #Q300 \*Q301 \*Q302 \*Q303 \*Q304 \*Q305 M3333322222444442211555222 **\***D102 **\***D200 **#**D301 **\***Q306 #Q400 \*D302 \*D303 \*D304 \*D305 \*D401 \*D402 \*D403 #Q401 #Q402 \*Q403 \*Q404 \*Q405 \*Q406 \*D404 \*D502 \*D503 \*D504 \*D505 **#**Q407 N-4 F-2 F-1 D-1 C-5 A-2 C-2 C-2 C-2 C-5 B-5 D-5 D-5 #Q500 \*Q501 \*Q502 \*Q503 \*Q700 \*D505 \$\D506 \$\D506 \$\D506 \$\D701 \$\D702 \$\D703 **#**Q701 #Q702 \*Q703 \*Q704 \*Q705 \*Q706 E200 E300 E400 E500 E501 E700 E701 #Q707 N-3 M-1 R-5 D-1 J-3 E-4 B-2 #Q708 **#**Q709 #Q710 #Q711 RV100 R-3 R-3 M-1 RV200 FL500 FL501 FL502 F-2 E-1 D-1 RV300 RV301 RV400 P-1 P-5 RV401 RV500 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC100 IC101 IC102 IC103 IC200 IC203 IC300 IC300 IC300 IC3005 IC3005 IC3005 IC3005 IC3005 IC3005 IC3006 IC30 M-3 RV501 L-1 L-4 E-1 L-5 P-3 M-2 P-3 M-2 P-3 M-1 P-2 N-2 R-1 N-2 R-2 R-2 R-2 R-2 R-2 R-5 S R-5 R-5 R-5 RV502 D-1 RV700 A-1 B-1 RV701 RV703 B-1 S500 J-1 TH400 ○#TH701 P A-1 IC717 A-5
IC718 B-2
IC720 B-3
IC721 B-2
IC722 B-4
IC723 C-5
IC724 B-5
IC725 D-5
IC726 F-4
IC727 N E-4
IC728 B-3 TP100 TP101 TP200 N-3 R-3 TP201 N-3 TP300 TP301 TP303 TP400 P-2 P-2 M-5 N-4 N-4 TP401 TP402 IC310 TP500 E-1 IC400 IC401 IC402 IC403 E-1 D-1 LV300 LV400 TP502 TP700 C-5 C-4 **#**Q100 R-3 TP701 # : B SIDE N: UVW-1800/1600 ONLY P: UVW-1800P/1600P ONLY

# For J,UC

#### ① TP701 PB

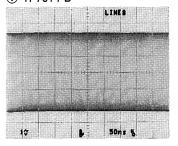


② TP703 PB

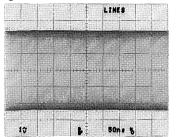


#### For EK

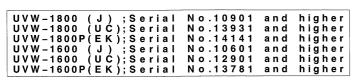
#### ① TP701 PB



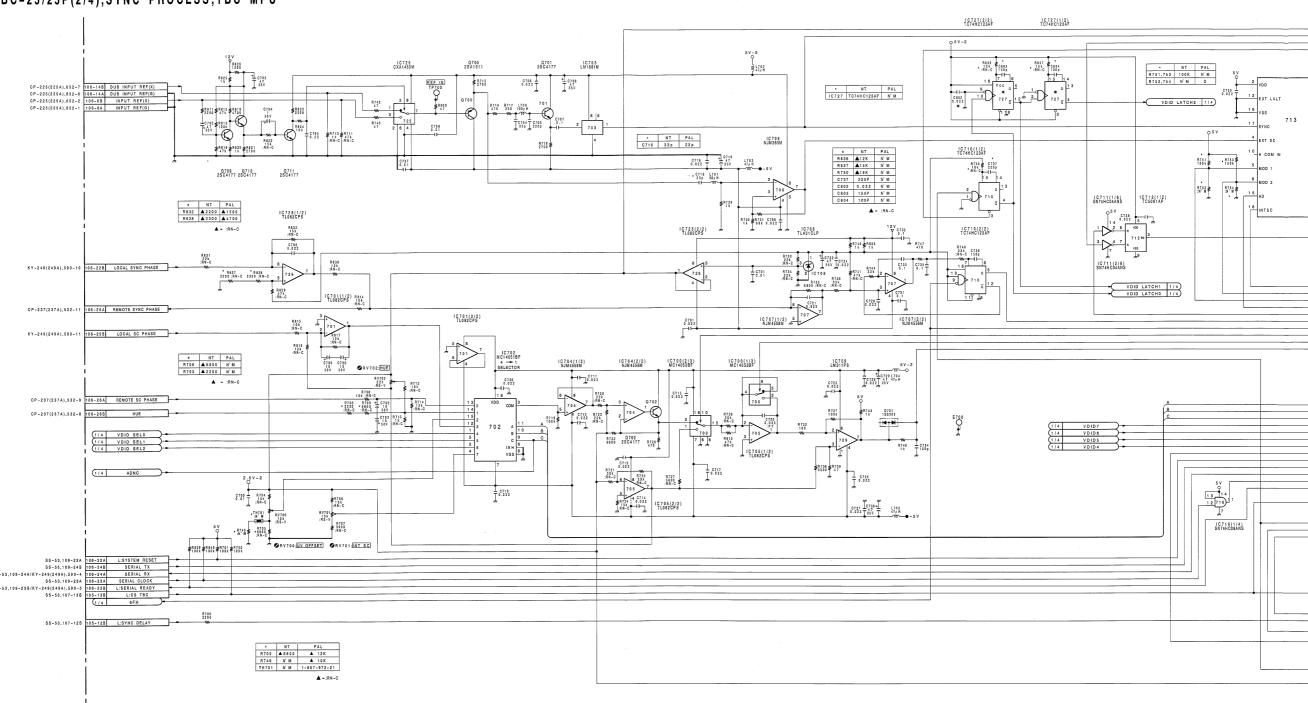
#### ② TP703 PB



<sup>△: 1-648-901-11</sup> ONLY



### TBC-25/25P(2/4);SYNC PROCESS,TBC MPU



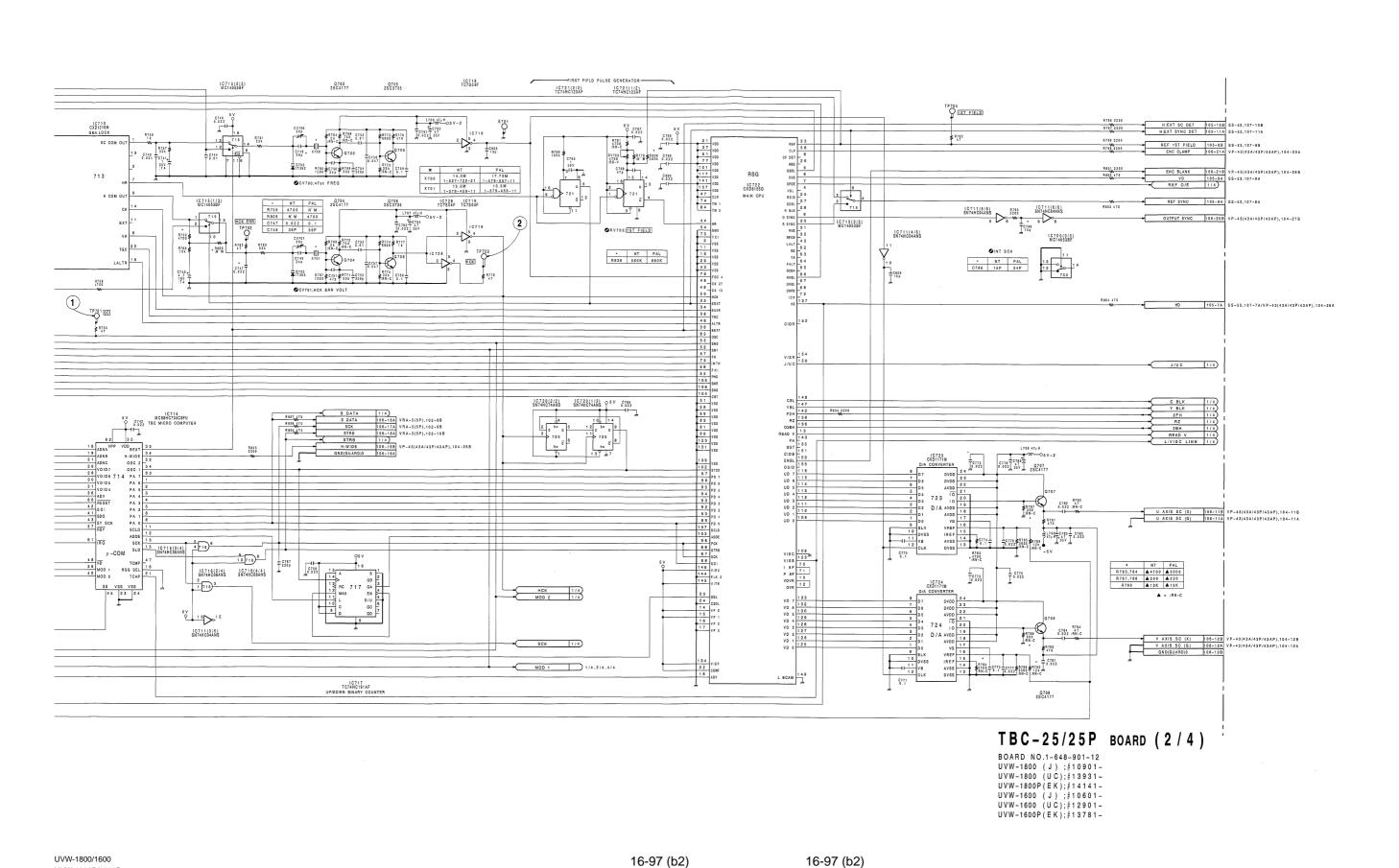
16-97 (b1) 16-97 (b1) UVW-1800/1600 UVW-1800P/1600P G

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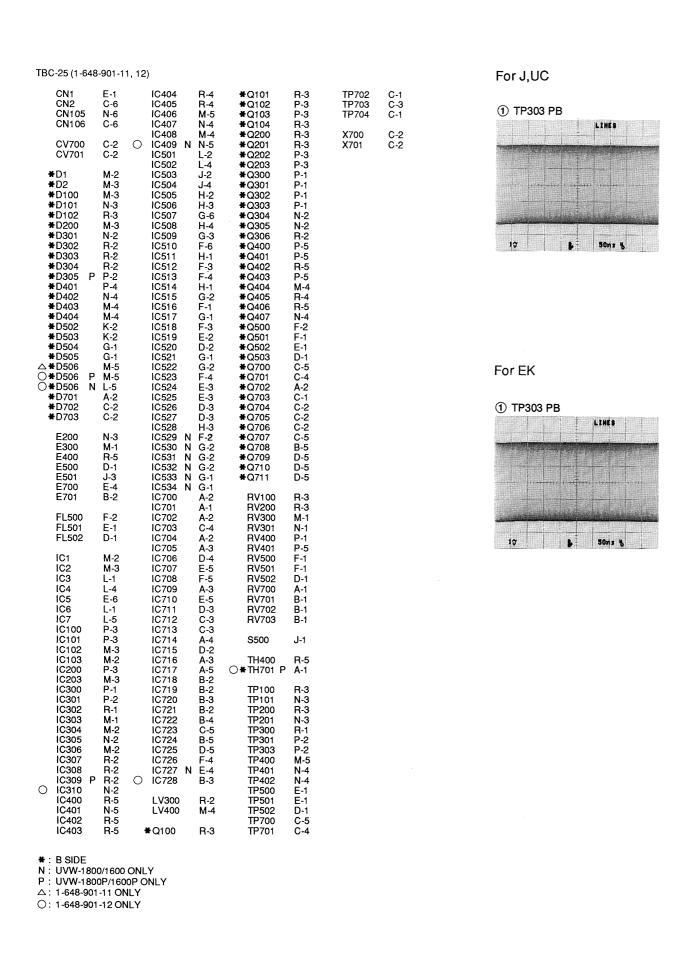
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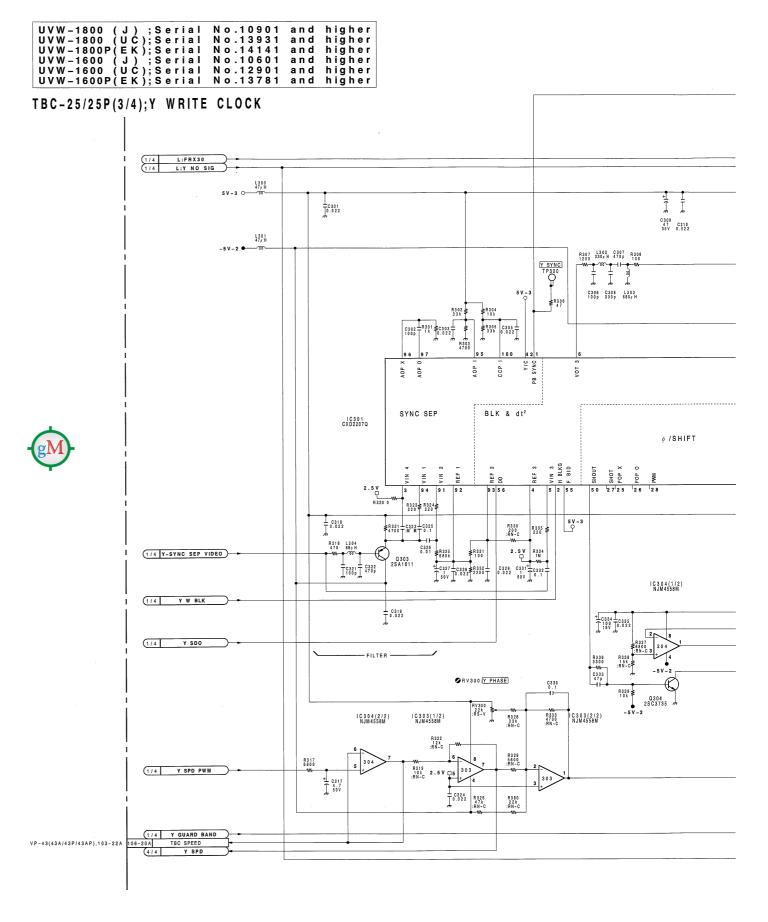
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16-100 (b)

16-101 (b1)

UVW-1800/1600 UVW-1800P/1600P

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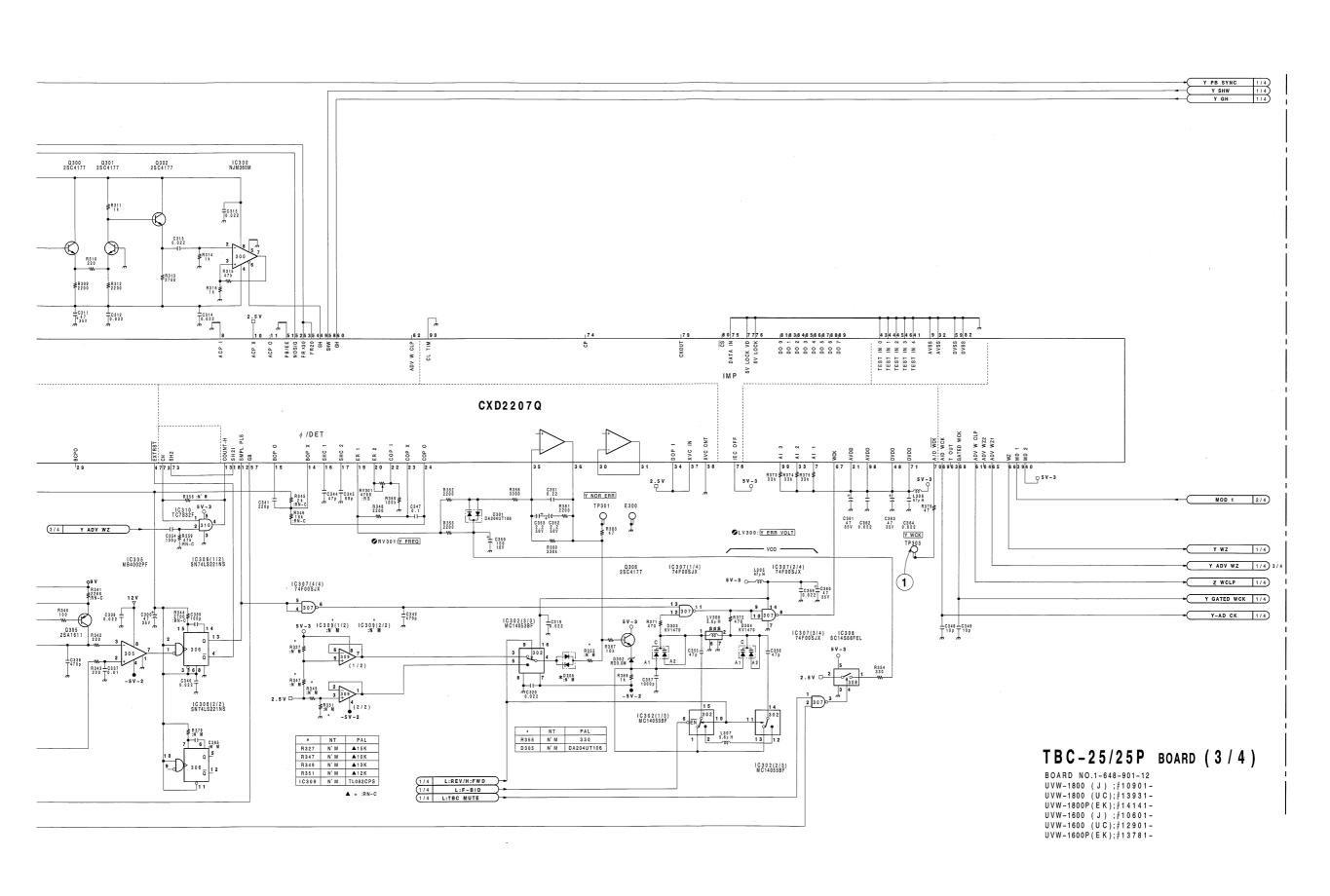
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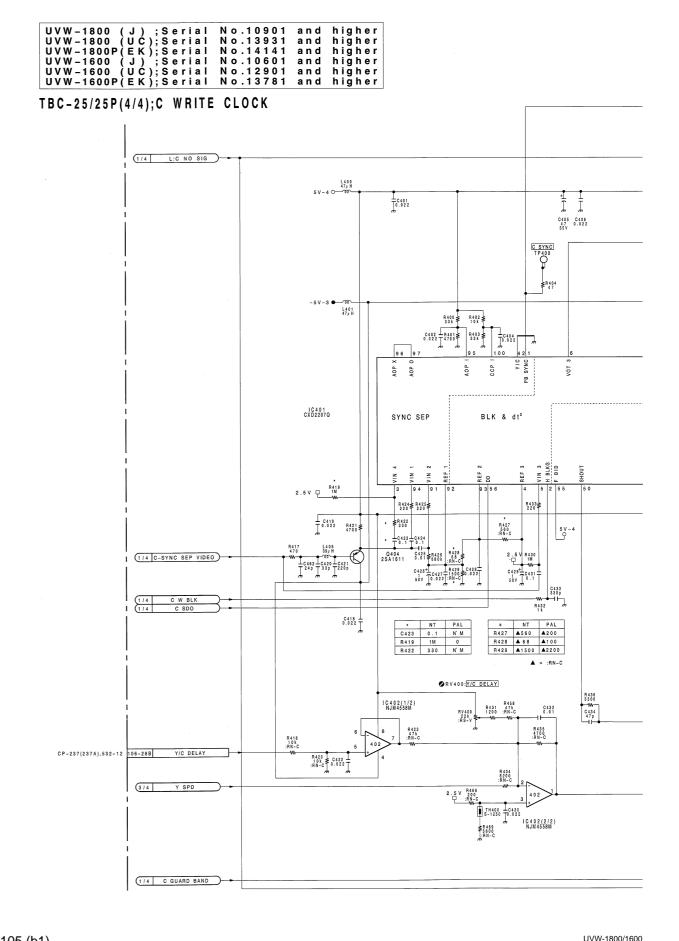
UVW-1800/1600 16-101 (b2) 16-101 (b2) UVW-1800P/1600P Κ

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TBC-25 (1-648-901-11, 12)
                                                                                                                                     For J,UC
                                 IC404
IC405
IC406
                                                                          R-3
P-3
P-3
R-3
                                                                                                     C-1
C-3
C-1
                                                           #Q101
                                                                                         TP702
                                                                                        TP703
TP704
                   C-6
                                                           *Q102 *Q103
                                                                                                                                     ① TP402 PB
                   N-6
                                               M-5
      CN105
      CN106
                   C-6
                                  IC407
                                               N-4
                                                            #Q104
                                                                                                                                                                  LIHES
                                  IC408
                                                            #Q200
                                                                          R-3
P-3
P-3
P-1
P-1
                                                                                                      C-2
                                                                                         X700
      CV700
                                 IC409 N
                                               N-5
                                                            #Q201
                                                                                         X701
                                                                                                      C-2
                                 IC501
IC502
      CV701
                   C-2
                                                            #Q202
                                               L-4
J-2
J-4
                                                           #Q203
#Q300
#Q301
                                  IC503
    #D2
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                   M-3
                                               H-2
                                                           #Q302
    *D100
                                  IC505
                   N-3
                                               H-3
                                                            #Q303
                                                                           P-1
N-2
    #D101
                                  IC506
                   R-3
M-3
                                  IC507
                                               G-6
                                                           *Q304
                                                                          N-2
R-2
P-5
P-5
R-5
P-5
    #D200
                                  IC508
                                                           #Q305
                  N-2
R-2
R-2
R-2
P-2
P-4
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F-6
H-1
F-3
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                                  IC509
                                                           *Q306
    *D302
                                  IC510
                                                           *Q400
                                                           *Q401
*Q402
                                 IC511
IC512
    #D303
    #D304
                                               F-4
                                                           *Q403
    *D305 P
                                  IC513
                                  IC514
                                                           *Q404
    *D401
                                               H-1
                                                                          M-4
R-5
N-4
F-2
F-1
D-1
C-5
C-4
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C-2
C-2
C-5
B-5
                   N-4
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                                                            *Q405
#D402 N-4
#D403 M-4
#D404 M-4
#D502 K-2
#D503 K-2
#D505 G-1
△#D506 M-5
○#D506 N L-5
#D701 K-2
#D702 C-2
#D703 C-2
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IC517
                                                           *Q406
                                                           *Q407
*Q500
*Q501
                                               G-1
F-3
E-2
D-2
                                 IC518
IC519
                                  IC520
                                                           #Q502
                                  IC521
                                               G-1
                                                           #Q503
                                  IC522
                                               G-2
                                                           #Q700
                                                                                                                                     For EK
                                 IC523
IC524
IC525
IC526
                                               F-4
                                                           *Q701
                                               E-3
E-3
D-3
                                                           *Q702
*Q703
                                                           *Q704
                                                                                                                                     ① TP402 PB
                                  IC527
                                               D-3
                                                           #Q705
                                 IC527 D-3
IC528 H-3
IC529 N F-2
IC530 N G-2
IC531 N G-2
IC532 N G-2
                                                                                                                                                                  LIHES
                                                           #Q706
                   N-3
M-1
R-5
                                                           *Q707
*Q708
*Q709
      E200
      E300
      E400
                                                                          D-5
D-5
       E500
                   D-1
                                                           #Q710
                   J-3
E-4
B-2
                                  IC533 N
                                               G-1
                                                            #Q711
      E700
                                  IC534 N G-1
                                                            RV100
RV200
RV300
                                                                          R-3
                                  IC700
                                               A-2
                                 IC701
IC702
                                               A-1
A-2
C-4
A-2
                                                                          R-3
      FL500
                   F-2
                                                                          M-1
                                  IC703
                                                             RV301
      FL501
                   E-1
                                                                          N-1
      FL502
                   D-1
                                                             RV400
                                                                          P-1
                                  IC704
                                                                                                                                                          B 50m s 4
                                  IC705
                                               A-3
                                                             RV401
                                                             RV500
      IC2
IC3
IC4
IC5
IC6
                   M-3
                                  IC707
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F-5
A-3
E-5
D-3
C-3
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RV702
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B-1
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L-5
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                                                             RV703
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M-3
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P-3
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A-3
A-5
B-2
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O#TH701 P A-1
      IC103
IC200
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IC717
       IC203
                                  IC718
                   P-1
P-2
R-1
M-1
M-2
N-2
M-2
       IC300
                                  IC719
                                               B-2
                                               B-3
B-2
                                                             TP101
TP200
      IC302
IC303
IC304
                                  IC721
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C-5
B-5
D-5
                                                             TP201
TP300
TP301
                                                                          N-3
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                                 IC723
IC724
                                                                          R-1
P-2
P-2
M-5
      IC305
                                 IC724 B-5
IC725 D-5
IC726 F-4
IC727 N E-4
IC728 B-3
       IC306
                                                             TP303
                   R-2
R-2
R-2
N-2
R-5
      IC307
                                                             TP400
                                                             TP401
TP402
TP500
TP501
TP502
      IC308
                                                                          N-4
     IC309
IC310
IC400
                            O IC728
                                                                          N-4
                                                                          E-1
E-1
D-1
                                  LV300
                                               R-2
      IC401
                   N-5
                                 LV400
                                               M-4
      IC402
                                                             TP700
                                                                          C-5
                               #Q100
                                                             TP701
 # : B SIDE
N: UVW-1800/1600 ONLY
P: UVW-1800P/1600P ONLY
△: 1-648-901-11 ONLY
O: 1-648-901-12 ONLY
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16-105 (b1)

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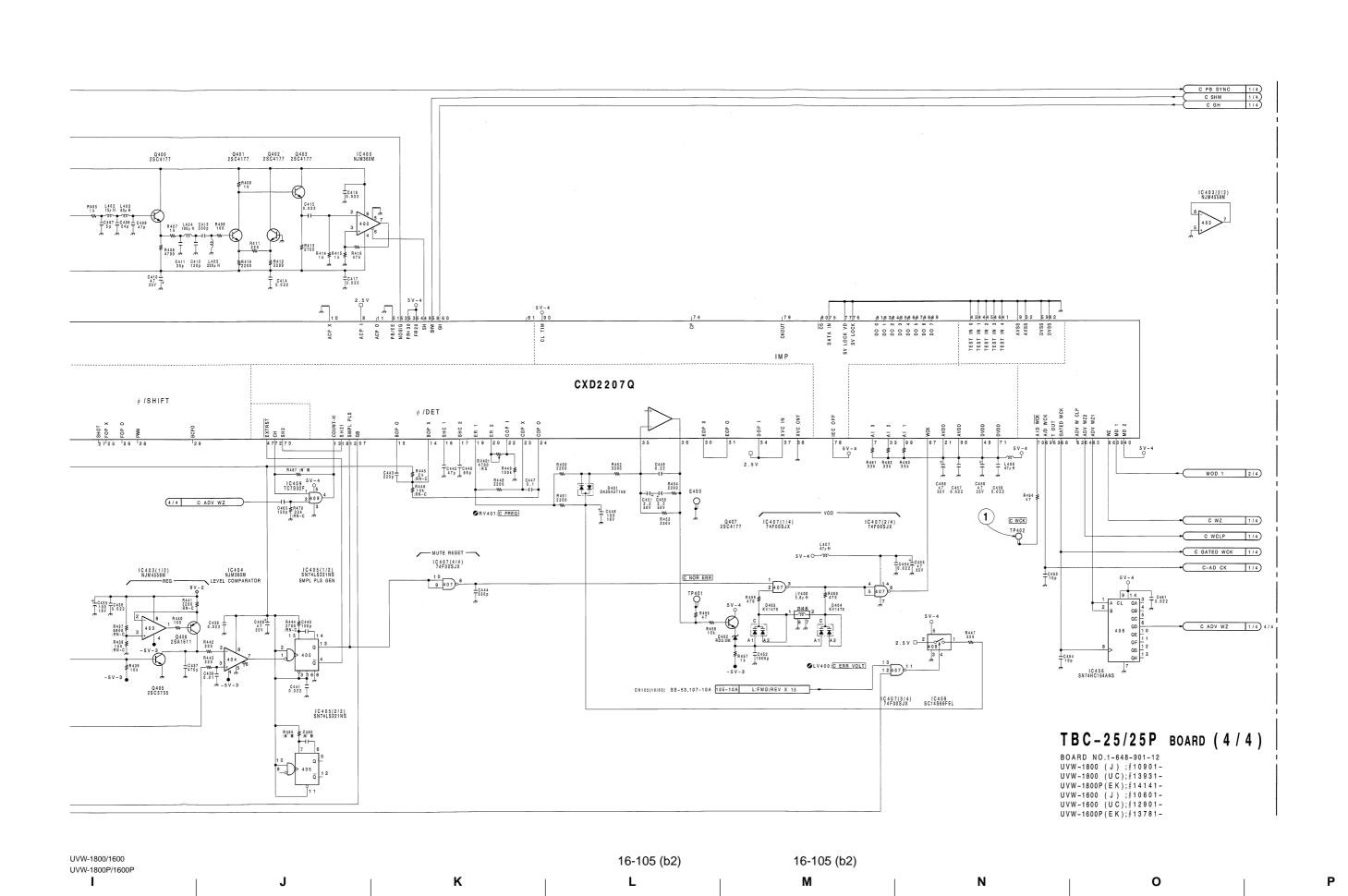
UVW-1800P/1600P

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TBC-25 (1-648-901-11, 12) TP702 TP703 **\***Q101 C-1 C-3 C-1 IC404 CN2 #Q102 C-6 CN105 CN106 N-6 **#**Q103 TP704 #Q104 \*Q200 \*Q201 \*Q202 \*Q203 X700 C-2 C-2 CV700 CV701 C-2 C-2 0 X701 #Q300 **₩**D2 M-3 M-3 M-3 N-3 N-2 R-2 R-2 R-2 R-4 M-4 K-2 G-1-1 G-5 P N-5 C-2 C-2 #Q301 \*Q301 \*Q302 \*Q303 \*Q304 \*Q305 \*Q306 \*Q400 **#**D100 \*D101 \*D102 \*D200 \*D301 \*D302 **\***D303 **\***Q401 **\***D304 **\***Q402 **\***D305 **\***D401 **\***Q403 \*Q403 \*Q404 \*Q405 \*Q406 \*Q407 \*D402 \*D403 \*D404 \*D502 \*D503 #Q500 **#**Q501 \*D503 \*D504 \*D505 A\*D506 A\*D506 A\*D506 A\*D506 A\*D701 A\*D702 #Q502 \*Q502 \*Q503 \*Q700 \*Q701 \*Q702 **#**Q703 \*Q703 \*Q704 \*Q705 \*Q706 \*Q707 \*Q708 \*Q709 \*Q710 \*Q711 **\***D703 E200 E300 E400 E500 E501 E700 E701 N-3 M-1 R-5 D-1 J-3 E-4 B-2 RV100 RV200 R-3 R-3 M-1 FL500 F-2 RV300 FL501 E-1 RV301 N-1 P-5 F-1 F-1 D-1 A-1 B-1 FL502 D-1 **RV400** RV401 RV500 RV501 RV502 RV700 RV701 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC100 IC101 IC102 IC103 IC200 IC203 IC300 IC300 IC300 IC301 IC305 IC306 IC306 IC307 IC306 IC309 IC309 IC309 IC309 IC309 IC309 IC300 IC300 IC300 IC301 IC300 IC301 IC300 IC301 IC M-2-3 L-1-4-6 L-1-5-3-3-3 M-3-3-1-2-1-1-2-2-2-2-2-2-5-5-5-5-5-5 RV702 B-1 RV703 J-1 S500 TH400 R-5 ○**\***TH701 P A-1 R-5 R-3 N-3 R-3 N-3 R-1 P-2 P-2 M-5 N-4 R-1 E-1 C-5 C-4 TP100 TP101 TP200 TP201 TP300 TP301 TP303 TP400 TP401 TP402 TP500 0 LV300 TP501

# : B SIDE

IC402

IC403

N: UVW-1800/1600 ONLY

LV400

**#**Q100

R-3

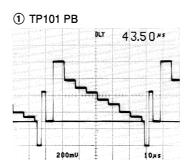
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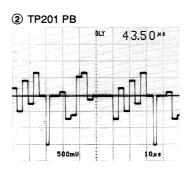
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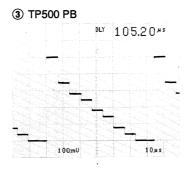
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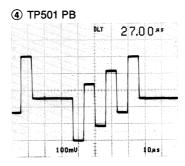
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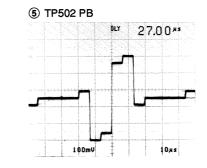
△: 1-648-901-11 ONLY O: 1-648-901-12 ONLY For J,UC



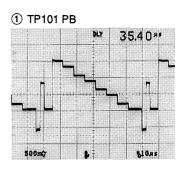


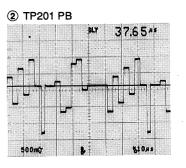


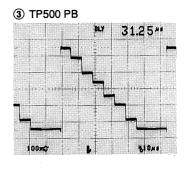


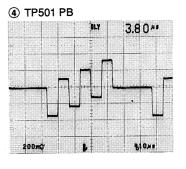


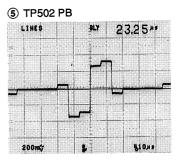
For EK



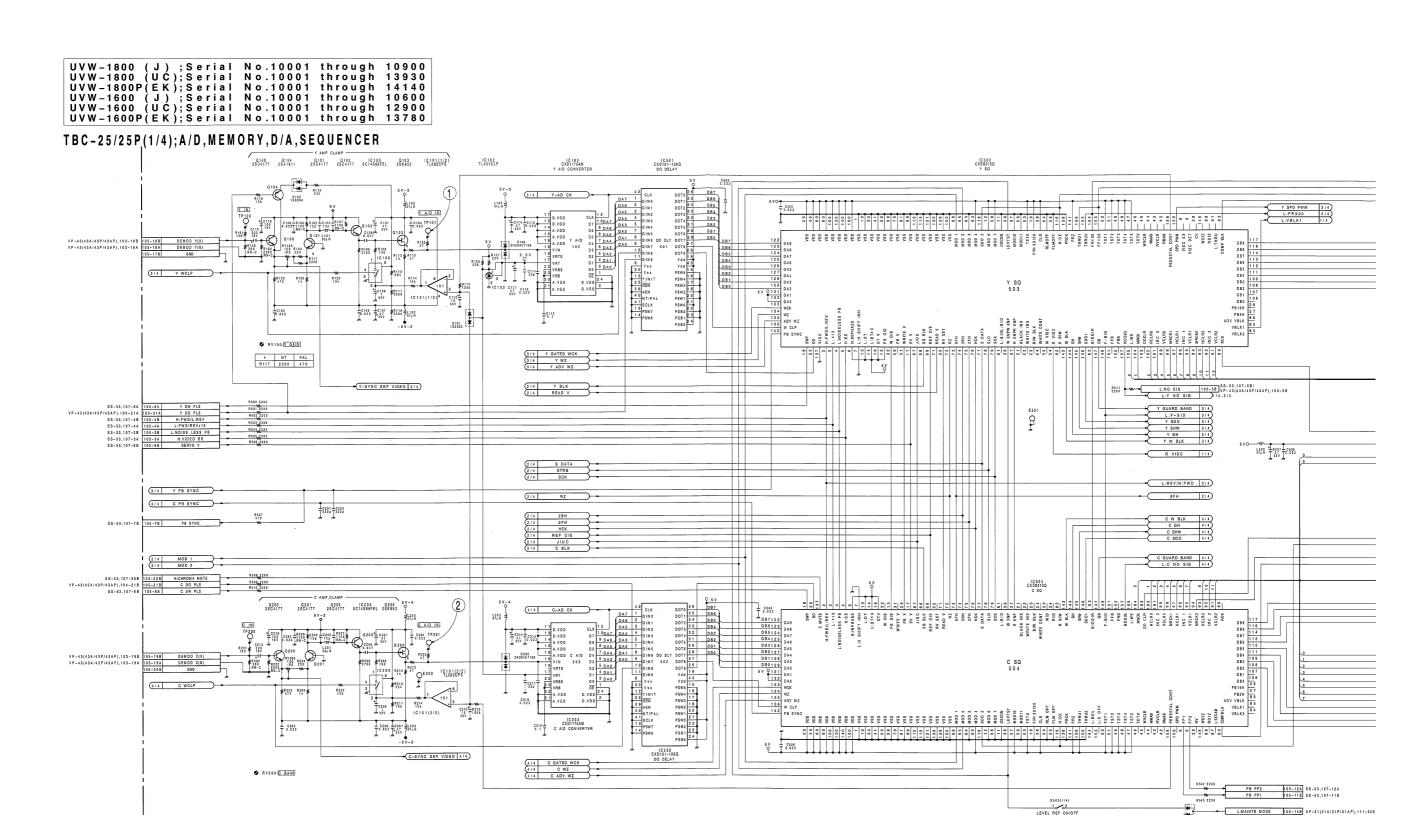






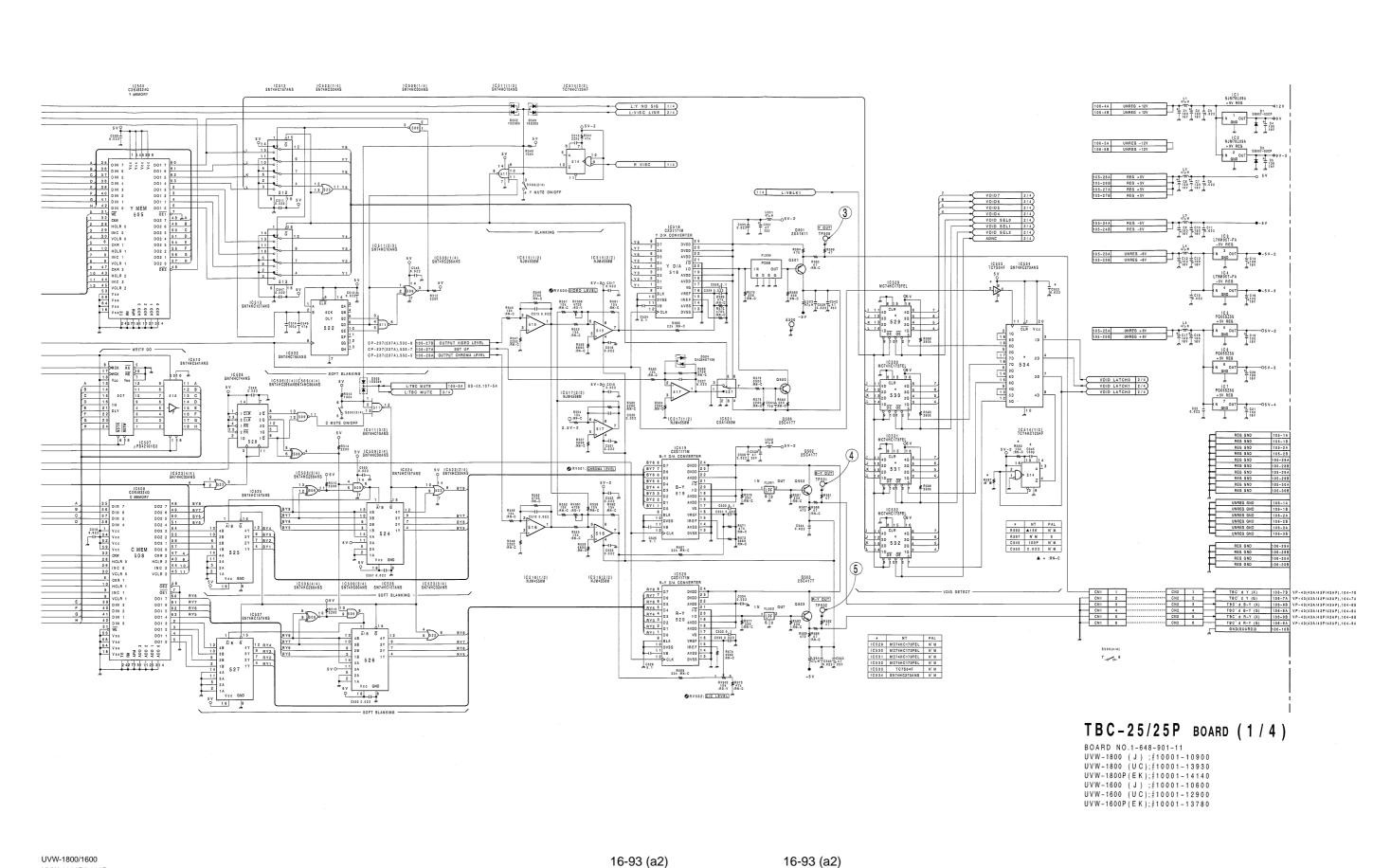


http://getMANUAL.com



16-93 (a1) 16-93 (a1) UVW-1800/1600 UVW-1800P/1600P

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16-93 (a2)

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TBC-25 (1-648-901-11, 12) IC404 **#**Q101 IC405 IC406 IC407 CN2 CN105 CN106 C-6 N-6 C-6 R-4 M-5 N-4 M-4 \*Q102 \*Q103 \*Q104 TP703 TP704 C-3 C-1 X700 X701 IC408 **\***Q200 C-2 C-2 IC408 M-4
IC409 N N-5
IC501 L-4
IC503 J-2
IC504 J-4
IC505 H-2
IC506 H-3
IC507 G-6
IC508 H-4
IC509 G-3
IC510 F-6 C-2 C-2 CV700 #Q201 CV701 #Q202 #Q203 M-2 M-3 M-3 N-3 R-3 \*D1 \*D2 \*D100 #Q300 \*Q301 \*Q302 \*Q303 \*D101 **₩**D102 **#**Q304 **₩**D200 **#**Q305 **\***D301 **\***Q306 N-2 R-2 R-2 R-2 P P-4 N-4 M-4 K-2 K-2 G-1 M-5 N L-5 P N L-5 C-2 C-2 **#**D302 **#**Q400 \*D303 \*D304 \*D305 \*D401 \*D402 \*Q401 \*Q402 \*Q403 \*Q404 #Q405 \*D402 \*D403 \*D404 \*D502 \*D503 \*D504 \*D505 **#**Q406 #Q407 **#**Q500 \*Q501 \*Q502 \*Q503 \*D505 \$\D506 P \$\D506 P \$\D506 N \$\D701 \$\D702 \$\D703 #Q700 #Q701 #Q702 \*Q703 \*Q704 \*Q705 **#**Q706 E200 E300 E400 E500 E501 E700 #Q707 N-3 M-1 R-5 D-1 J-3 E-4 B-2 #Q708 #Q709 #Q710 **#**Q711 E701 RV100 R-3 RV200 RV300 R-3 M-1 FL500 FL501 FL502 F-2 E-1 D-1 RV301 RV400 N-1 P-1 RV401 P-5 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC100 IC101 IC102 IC103 IC200 IC203 IC300 IC301 IC302 IC303 IC304 IC305 IC306 RV500 F-1 RV501 F-1 D-1 RV502 RV700 B-1 B-1 B-1 RV701 RV702 RV703 S500 J-1 TH400 ○#TH701 P A-1 TP100 TP101 N-3 IC720 B-3 IC721 B-2 IC722 B-4 IC723 C-5 IC724 B-5 IC725 D-5 IC726 F-4 IC727 N E-4 IC728 B-3 TP200 R-3 N-3 R-1 P-2 P-2 TP300 TP301 TP303 IC307 TP400 M-5 IC308 TP401 N-4 IC309 O IC310 TP500 IC400 IC401 LV300 TP501 D-1 C-5 C-4 LV400 M-4 TP502 IC402 TP700 IC403 **#**Q100 R-3 TP701

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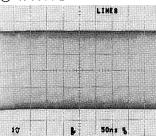
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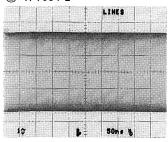
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### For J,UC

#### ① TP701 PB

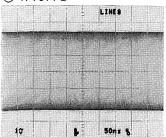


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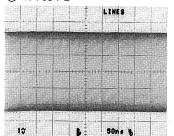


#### For EK

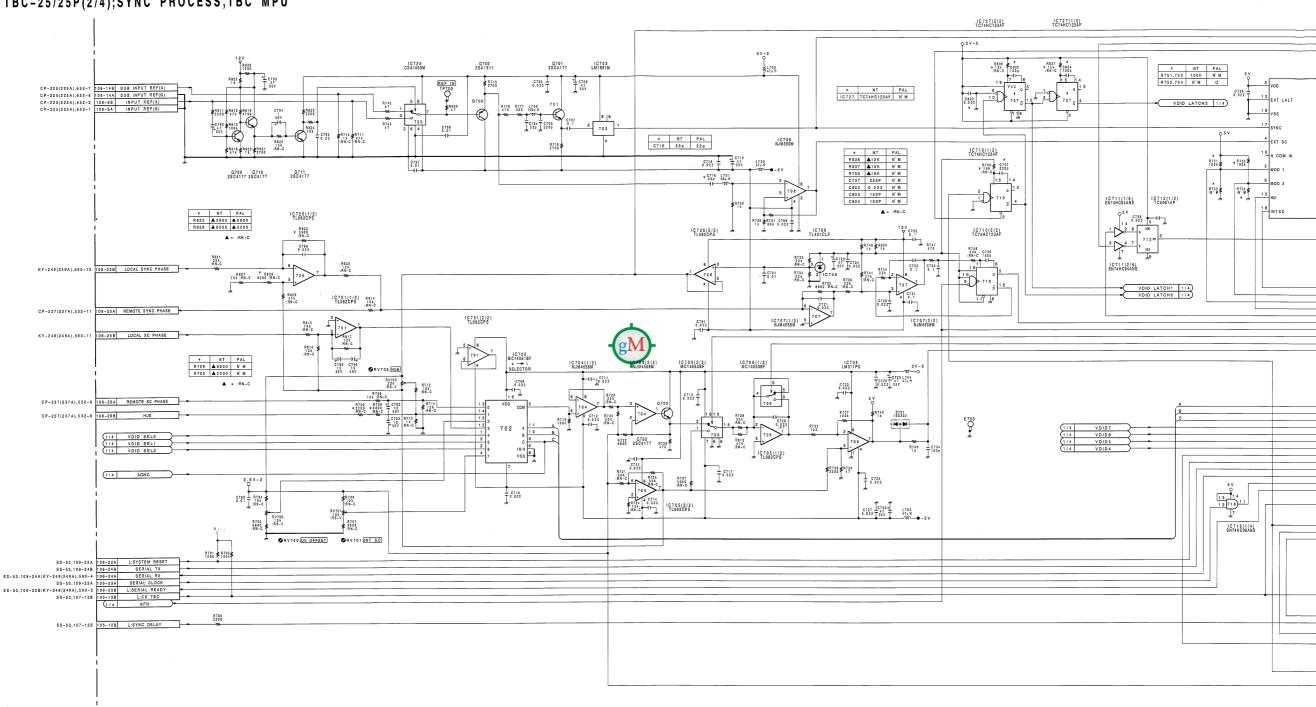
#### ① TP701 PB



#### ② TP703 PB



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UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780
TBC-25/25P(2/4);SYNC PROCESS,TBC MPU
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16-97 (a1)

16-97 (a1)

UVW-1800/1600 UVW-1800P/1600P

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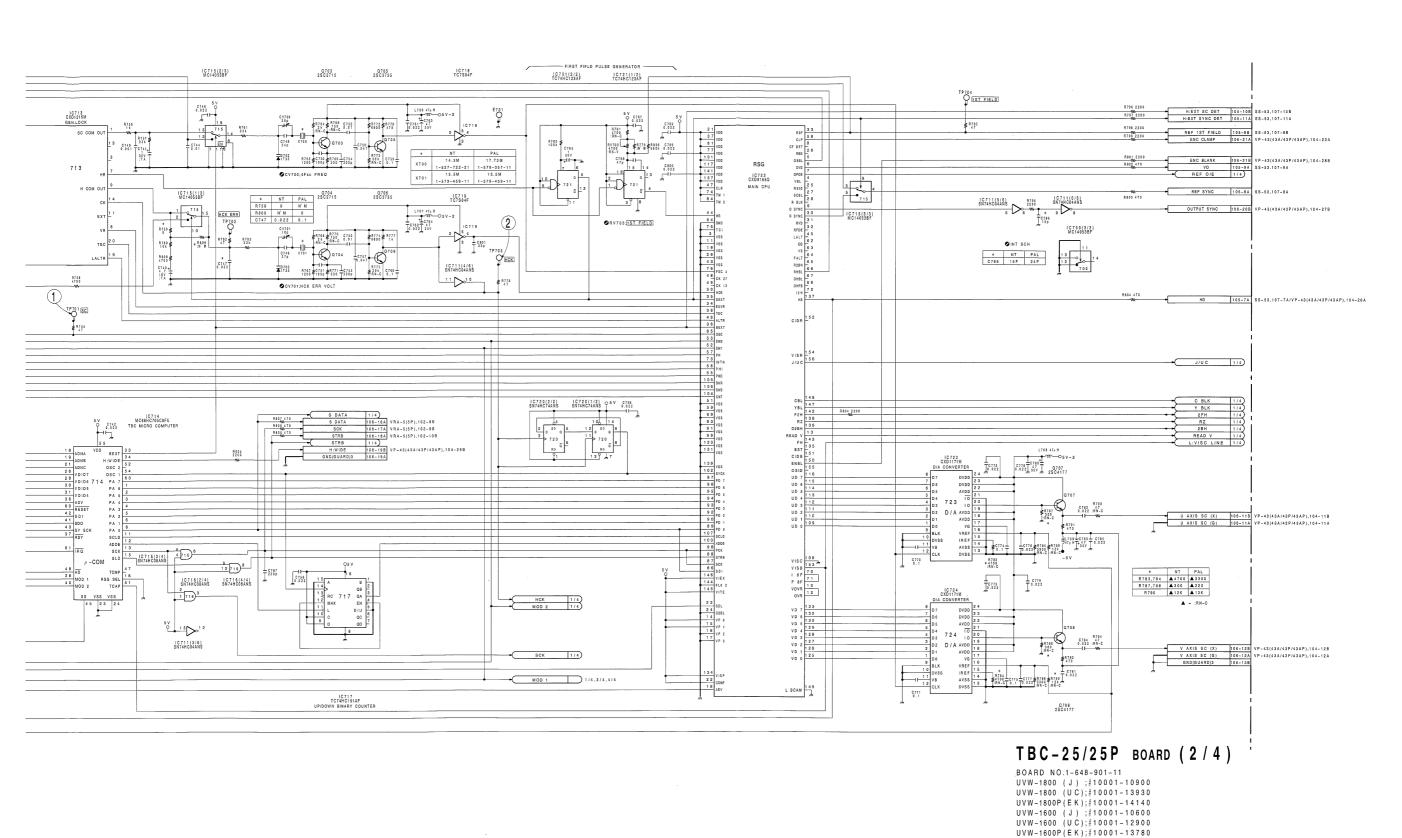
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16-97 (a2) 16-97 (a2)

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UVW-1800P/1600P

UVW-1800/1600

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16-100 (a)

D

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С

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TBC-25 (1-648-901-11, 12)
                                                                                                                                      For J,UC
                                  IC404
                                                            #Q101
                                                                                          TP702
                  C-6
N-6
C-6
                                 IC405
IC406
IC407
                                               R-4
M-5
N-4
M-4
                                                            #Q102
                                                                           P-3
P-3
R-3
R-3
P-3
P-1
P-1
P-1
N-2
N-2
                                                                                          TP703
                                                                                                       C-3
C-1
      CN105
                                                                                                                                      ① TP303 PB
                                                           #Q103
                                                                                         TP704
      CN106
                                                           #Q104
#Q200
                                                                                                                                                                   LINES
                                                                                                      C-2
C-2
                                  IC408
                                                                                          X700
                                              M-4
N-5
L-2
L-4
J-2
J-4
H-2
H-3
     CV700
                   C-2
                                 IC409 N
                                                           #Q201
                                                                                         X701
                            0
      CV701
                   C-2
                                  IC501
                                                            #Q202
                                  IC502
                                                            #Q203
                                 IC503
IC504
IC505
    ₩D1
                   M-2
                                                           #Q300
                   M-3
M-3
N-3
                                                           *Q301
*Q302
*Q303
    *D2
   *D100
                                  IC506
   *D101
                   R-3
M-3
   #D102
                                  IC507
                                               G-6
                                                           #Q304
    *D200
                                  IC508
                                               H-4
                                                           #Q305
   *D200 M-3

*D301 N-2

*D302 R-2

*D303 R-2

*D305 P-2

*D401 P-4

*D402 N-4

*D404 M-4
                                               G-3
F-6
                                                            #Q306
                                                                           IC510
                                                           #Q400
                                  IC511
                                               H-1
F-3
F-4
                                                           #Q401
                                 IC512
IC513
                                                           *Q402
*Q403
*Q404
                                               H-1
G-2
                                  IC514
                                  IC515
                                                           #Q405
                                                            #Q406
    ₩D404
                   M-4
                                  IC517
                                               G-1
                                                           #Q407
               K-2
K-2
G-1
G-1
M-5
P M-5
                                               F-3
E-2
D-2
G-1
    #D502
                                  IC518
                                                           #Q500
    *D503
                                 IC519
IC520
                                                           *Q501
*Q502
   #D504
   ₩D505
                                  IC521
                                                           #Q503
                                               G-2
F-4
E-3
E-3
D-3
 △*D506
                                  IC522
                                                            #Q700
                                                                                                                                      For EK
                                 IC523
IC524
IC525
IC526
IC527
 ○*D506
                                                           #Q701
 ○*D506 N L-5
                                                           #Q702
                   A-2
C-2
C-2
                                                           #Q703
#Q704
   #D701
                                                                                                                                       ① TP303 PB
   #D702
    #D703
                                                           #Q705
                                                                                                                                                                   LINES
                                 IC527 D-3
IC528 H-3
IC529 N F-2
IC530 N G-2
IC531 N G-2
IC532 N G-1
                                                           #Q706
                                                            #Q707
                   M-1
R-5
D-1
     E300
E400
                                                           #Q708
                                                           *Q709
*Q710
      E500
                   J-3
E-4
      E501
                                                            #Q711
                                                                           D-5
      E700
                                  IC534 N G-1
                                                             RV100
                                                                           R-3
      E701
                   B-2
                                  IC700
                                               A-1
A-2
C-4
A-2
A-3
D-4
                                                             RV200
RV300
                                  IC701
                                                                           R-3
M-1
     FL500
                   F-2
                                 IC702
IC703
IC704
                                                             RV301
RV400
     FL501
                   E-1
D-1
                                                                           N-1
P-1
     FL502
                                                                                                                                          10 B 50ms %
                                  IC705
                                                             RV401
                                                                           P-5
                                  IC706
                                                             RV500
     IC2
IC3
IC4
IC5
IC6
IC7
IC100
                                  IC707
                                                              RV501
                                               E-5 F-3 E-5 C-3 C-3 A-2 A-5 B-2 B-3
                   L-1
                                                              RV502
                                                                           D-1
                   L-4
E-6
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                                                              RV700
                                                                           A-1
                                  IC710
                                                             RV701
                                                                           B-1
                   L-1
                                  IC711
                                                                           B-1
B-1
                                                             RV702
                                 IC712
IC713
                   L-5
P-3
P-3
M-3
M-2
P-3
M-3
P-1
P-2
                                                             RV703
       IC101
                                                             S500
                                                                           J-1
                                  IC714
                                  IC715
                                                              TH400
       IC103
      IC200
IC203
IC300
                                  IC717
IC718
                                                        ○#TH701 P A-1
                                                              TP100
                                  IC719
       IC301
                                  IC720
                                                              TP101
                                 IC720 B-3
IC721 B-2
IC722 B-4
IC723 C-5
IC724 B-5
IC725 D-5
IC726 F-4
IC727 N E-4
      IC302
IC303
IC304
IC305
IC306
                   R-1
M-1
M-2
N-2
M-2
                                                             TP200
TP201
TP300
TP301
TP303
                                                                           N-3
R-1
P-2
P-2
                   R-2
R-2
R-2
N-2
       IC307
                                                              TP400
                                                                           N-4
N-4
E-1
E-1
D-1
C-5
       IC308
                                                              TP401
                            O IC728
       IC309
                                               B-3
                                                               TP402
O IC310
                                                              TP500
TP501
TP502
                   R-5
N-5
                                  LV300
                                               R-2
M-4
       IC400
      IC401
                                  LV400
                                                               TP700
      IC402
                    R-5
      IC403
                    R-5
                                #Q100
                                               R-3
                                                              TP701
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N: UVW-1800/1600 ONLY
P: UVW-1800P/1600P ONLY
△: 1-648-901-11 ONLY
O: 1-648-901-12 ONLY
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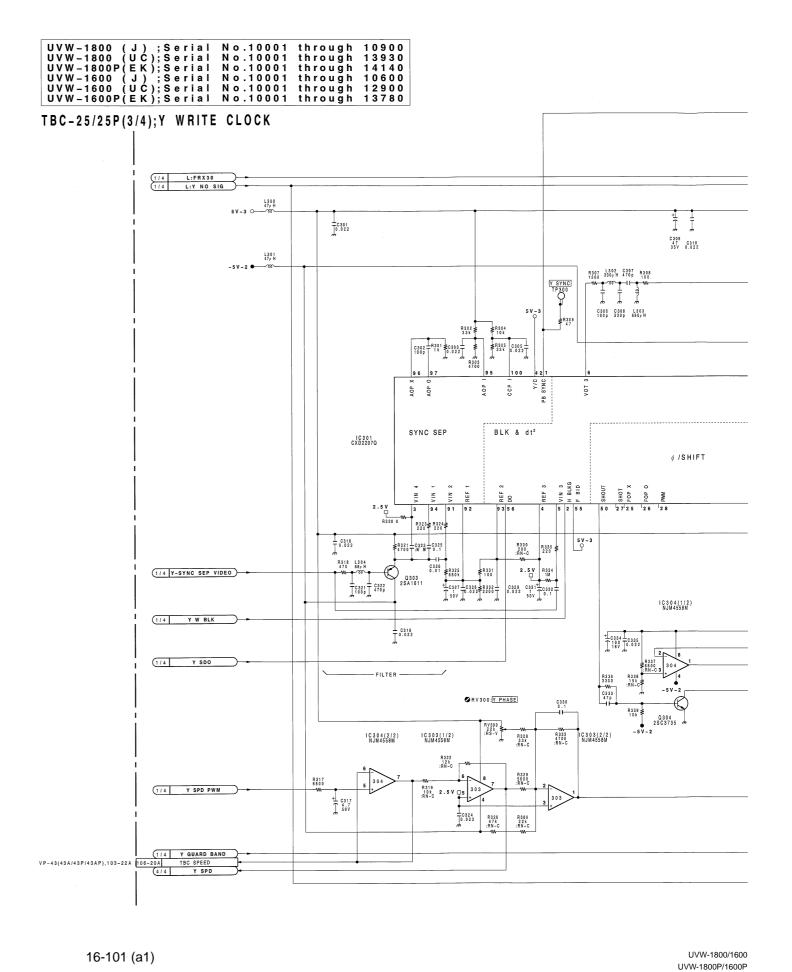
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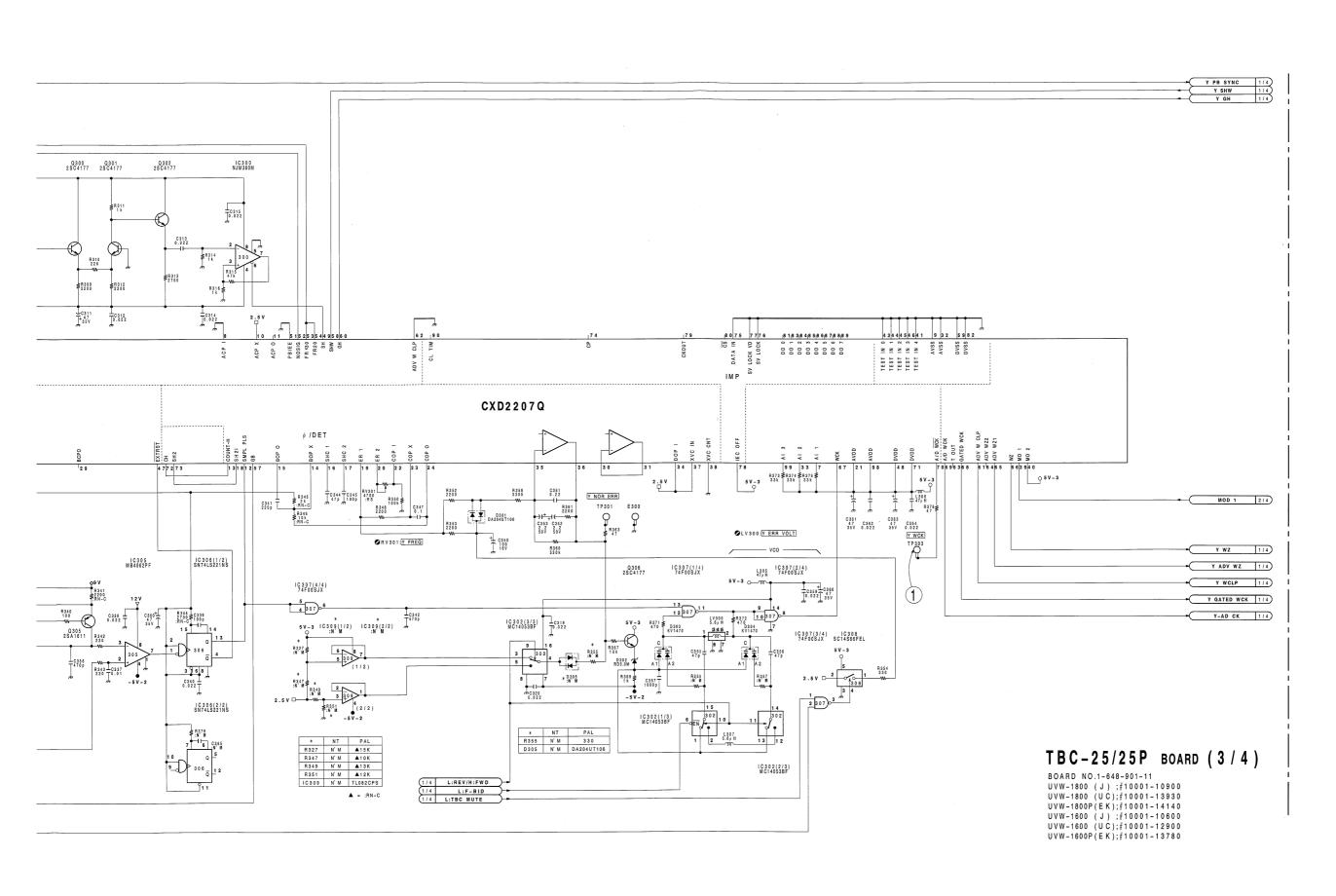
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16-101 (a2) 16-101 (a2)

UVW-1800P/1600P

UVW-1800/1600

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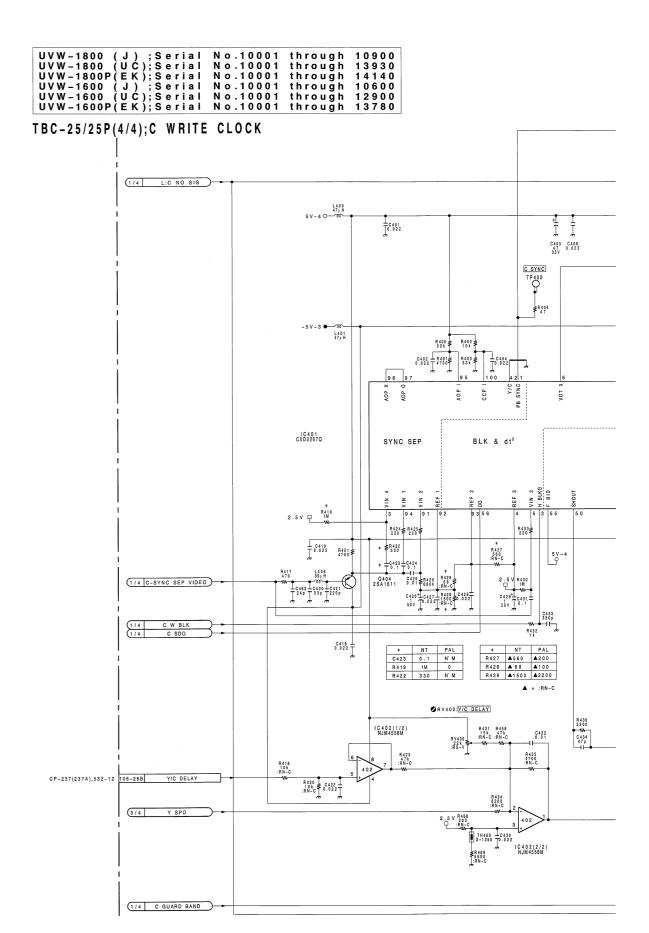
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TBC-25 (1-648-901-11, 12)
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P-3
P-3
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                                                                                                                          #Q101
                                                                                                                                                                                      TP702
TP703
                                                                                                                                                                                                                  C-1
C-3
                                        C-6
                                                                     IC405
                                                                                                 R-4
                                                                                                                          #Q102
                                                                                                                                                                                                                                                                                    ① TP402 PB
             CN105
                                      N-6
                                                                     IC406
                                                                                                                          #Q103
                                                                                                                                                                                        TP704
                                                                                                                                                                                                                  C-1
                                                                                                N-4
M-4
N-5
            CN106
                                        C-6
                                                                     IC407
                                                                                                                           #Q104
                                                                                                                                                         R-3
R-3
P-3
P-3
P-1
P-1
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                                                                     IC408
                                                                                                                          #Q200
                                                                                                                                                                                        X700
                                                                                                                                                                                                                   C-2
C-2
           CV700
CV701
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C-2
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                                                                     IC409 N
                                                                                                                          #Q201
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                                                                                                                         *Q202
*Q203
*Q300
                                                                     IC501
IC502
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L-4
J-2
J-4
                                                                     IC503
        ₩D1
        *D2
                                                                     IC504
                                                                                                                          #Q301
                                                                                                                                                          P-1
P-1
        #D100
                                        M-3
                                                                      IC505
                                                                                                 H-2
                                                                                                                          #Q302
        *D101
                                        N-3
                                                                     IC506
                                                                                                                          #Q303
                                      R-3
M-3
N-2
R-2
R-2
        #D102
                                                                    | IC507 | G-6 | IC508 | H-4 | IC509 | F-6 | IC511 | H-1 | IC512 | F-3 | IC513 | F-4 | IC514 | H-1 | IC515 | G-2 | IC520 | G-2 | IC520 | G-2 | IC522 | G-2 | IC523 | IC524 | E-3 | IC525 | E-3 | IC526 | D-3 | IC527 | D-3 | IC528 | H-3 | IC529 | N | G-2 | IC530 | N | G-2 | IC531 | N | G-2 | IC531 | N | G-2 | IC532 | N | IC523 | IC
                                                                                                                          #Q304
                                                                                                                                                          N-2
R-2
P-5
P-5
R-5
P-5
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        *D301
                                                                                                                         *Q306
*Q400
        *D302
        *D303
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                                        R-2
P-2
        #D304
                                                                                                                          *Q402
        #D305
                                                                                                                          *Q403
        *D401
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N-4
M-4
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G-1
M-5
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N L-5
C-2
C-2
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                                                                                                                                                        M-4
R-4
R-5
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       *D402
*D403
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#Q407
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        #D502
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        #D503
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#Q701
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       *D701
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                                                                                                                          #Q704
                                                                                                                          #Q705
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                                                                                                                          #Q706
           E200
                                        N-3
                                                                                                                         #Q707
#Q708
#Q709
           E300
                                        M-1
            E400
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                                                                                                                          *Q710
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E-4
B-2
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IC534 N
                                                                                                G-1
G-1
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           E700
E701
                                                                                                                            RV100
RV200
RV300
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IC701
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A-1
A-2
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M-1
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A-2
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P-5
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F-1
D-1
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IC2
IC3
IC4
IC5
IC6
IC7
IC100
                                                                     IC706
                                                                                                                               RV500
                                                                                                 D-4
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                                                                                                                                                         A-1
B-1
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E-6
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                                                                     IC710
IC711
                                                                                                                              RV701
RV702
                                      L-1
L-5
P-3
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M-3
M-2
P-3
M-3
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                                                                                                                              RV703
                                                                     IC713
             IC101
                                                                                                                              S500
                                                                                                                                                         J-1
                                                                     IC715
IC716
             IC102
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IC200
                                                                                                                   TH400 R-5
○#TH701 P A-1
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             IC203
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            IC300
IC301
IC302
IC303
IC304
IC305
                                                                                                                              TP100
                                     P-1
P-2
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M-1
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N-2
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R-2
R-2
R-2
R-2
R-5
                                                                     IC720
                                                                                                                              TP101
                                                                     IC721
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                                                                                                 B-4
C-5
B-5
D-5
F-4
E-4
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TP201
TP300
TP301
TP303
                                                                     IC722
IC723
IC724
IC725
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R-1
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P-2
M-5
          IC306
IC307
IC308
IC309
IC310
IC400
                                                                     IC726
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N-4
                                                                     IC727 N
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                                                                                                                               TP402
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C-5
C-4
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TP501
TP502
                                                                     LV300
                                                                                                 R-2
             IC401
                                        N-5
                                                                                                 M-4
                                                                     LV400
             IC402
                                         R-5
                                                                                                                               TP700
                                                                                                 R-3
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                                                                 #Q100
                                                                                                                              TP701
 #: B SIDE
 N: UVW-1800/1600 ONLY
 P: UVW-1800P/1600P ONLY
 △: 1-648-901-11 ONLY
 O: 1-648-901-12 ONLY
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16-105 (a1)

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UVW-1800/1600

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В

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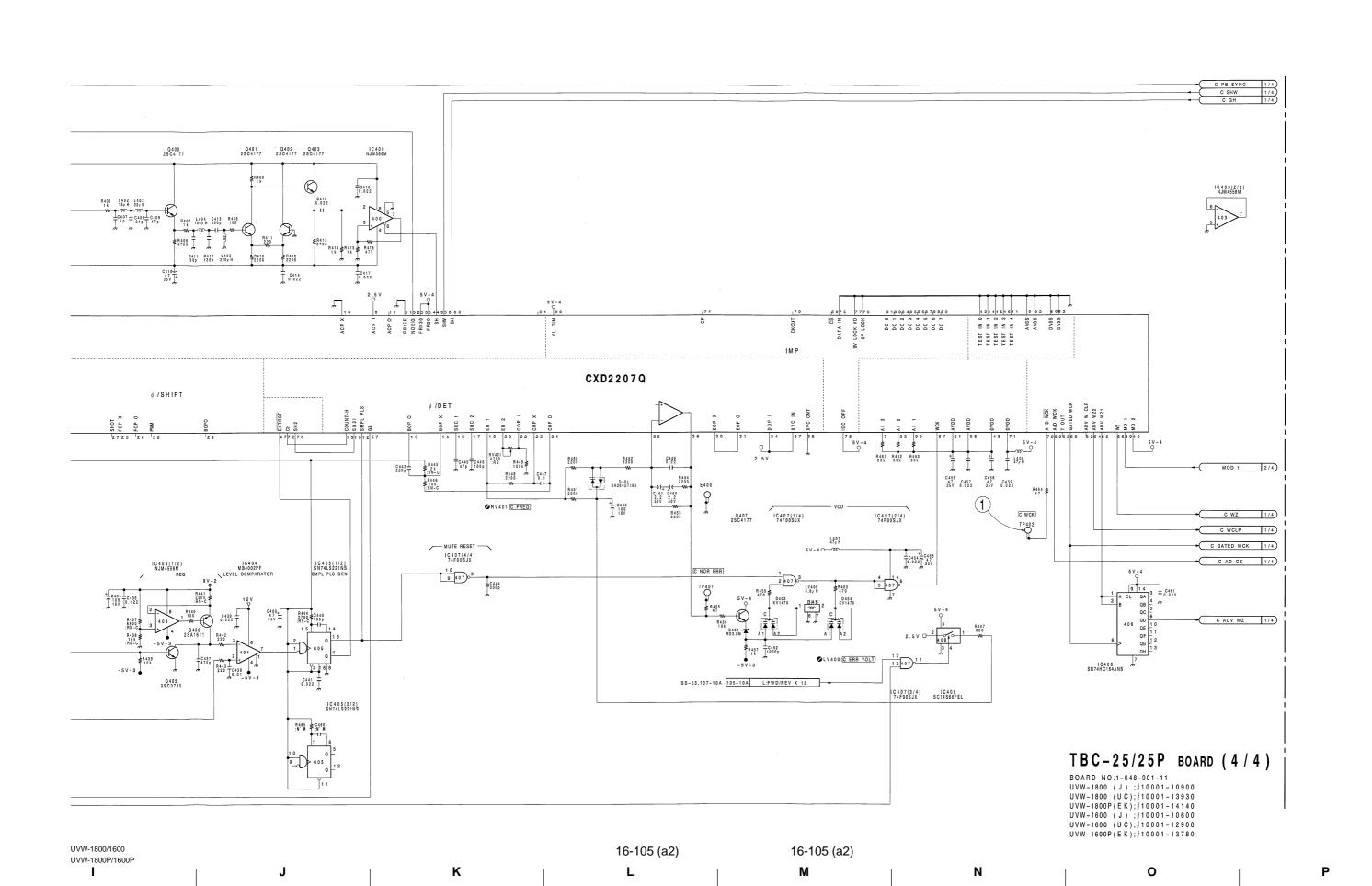
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16-104 (a)

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UVW-1800P/1600P



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                                                                        RV701
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R-5
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E-1
G-1
    CN104
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                                                *Q509
                                                                        RV702
                                                            IC704
    CN105
                                      R-4
R-4
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                                                                       RV703
                                               *Q511
*Q512
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                                                                        RV704
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                         #Q102
                                                 Q514
                                                                        TH401
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                         #Q103
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A-2
B-2
B-3
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                         #Q104
                                                #Q516
                                                                       TH601
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                                                 Q517
                        #Q105
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N-3
                                                                   ● * TH601
                                                                                  D-1
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                         #Q107
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                         #Q108
                                                 Q603
  #D601
               D-2
                                                 Q604
                                                                        TP103
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Q607
Q608
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                         #Q112
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                         # Q201
                                                                        TP302
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    E102
                         #Q202
                                      N-1
                         #Q203
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                        * Q205
* Q206
    E401
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#Q621
#Q622
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IC202
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M-2
                                      M-2
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#Q628
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                         # O302
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    IC204
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                                                #Q707
               H-1
K-1
G-2
A-5
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IC403
                         #Q309
                                                #Q708
                         # Q310
                                                #Q709
    IC404
                                      K-5
H-2
                         #Q311
                                                #Q710
    IC501
                         #Q401
                                                #Q711
                                                            F-2
F-1
               A-2

A-2

B-2

A-3

B-5

C-4

B-5
     IC503
                         #Q403
                                                #Q713
    IC504
IC505
IC506
                                                            E-1
                         #Q404
                                      J-2
                                                *Q714
                         # Q405
                                                 RV101
                         # Q406
                                                            L-1
     IC507
                                                 RV102
                         #Q407
                                                            K-1
P-4
M-3
                                                 RV103
     IC509
                         #Q409
                                                 RV201
               B-3
B-4
J-6
G-6
D-4
F-3
                                                 RV301
RV302
RV303
    IC510
                         #Q410
                                                            J-1
H-1
                                      J-2
J-2
K-2
    IC511
IC512
                         ₩0411
                         ₩0412
                                                            K-4
H-3
    IC601
                                                 RV401
                                                            A-4
B-4
B-4
B-4
B-4
                                      K-2
K-2
J-2
                                                 RV501
    IC603
IC604
                                                 RV502
                         #Q416
                                                 RV503
    IC605
IC606
IC607
                F-3
E-3
F-3
D-2
                                      H-2
H-2
A-1
                         # Q417
                                                 RV504
                                                 RV505
RV506
                         #O418
                         #Q501
     IC608
                           Q502
                                                 RV601
                                                            D-1
     IC609
                Ē-2
                           Q503
                                      A-1
                                                 RV602
     IC610
                           Q504
                                                  RV603
                                                            D-1
F-1
C-1
     IC611
                D-2
                         #Q505
                                                  RV604
                C-2
F-1
     IC612
                         #Q506
                                                  RV605
    IC701
                           Q507
                                                 RV606
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#: B SIDE \_: UVW-1800/1800P ONLY

N: UVW-1800/1800P ONLY

1

2

3

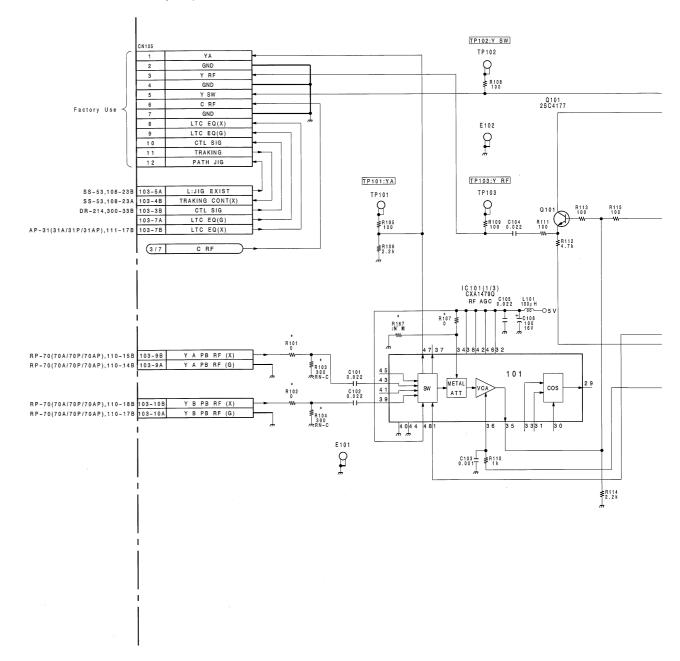
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△: 1-648-899-11 ONLY ③: UVW-1800 (1-648-899-12) ONLY

•: UVW-1800P/1600/1600P (1-648-899-12) ONLY

 $\begin{array}{c} UVW-1800 & (J) & ;Serial & No.10901 & and & higher \\ UVW-1800 & (UC);Serial & No.13931 & and & higher \\ UVW-1800P(EK);Serial & No.14141 & and & higher \\ UVW-1600 & (J) & ;Serial & No.10601 & and & higher \\ UVW-1600 & (UC);Serial & No.12901 & and & higher \\ UVW-1600P(EK);Serial & No.13781 & and & higher \\ \end{array}$ 

VP-43/43A/43P/43AP(1/7); Y RF AGC/EQ, Y DO DET.



G

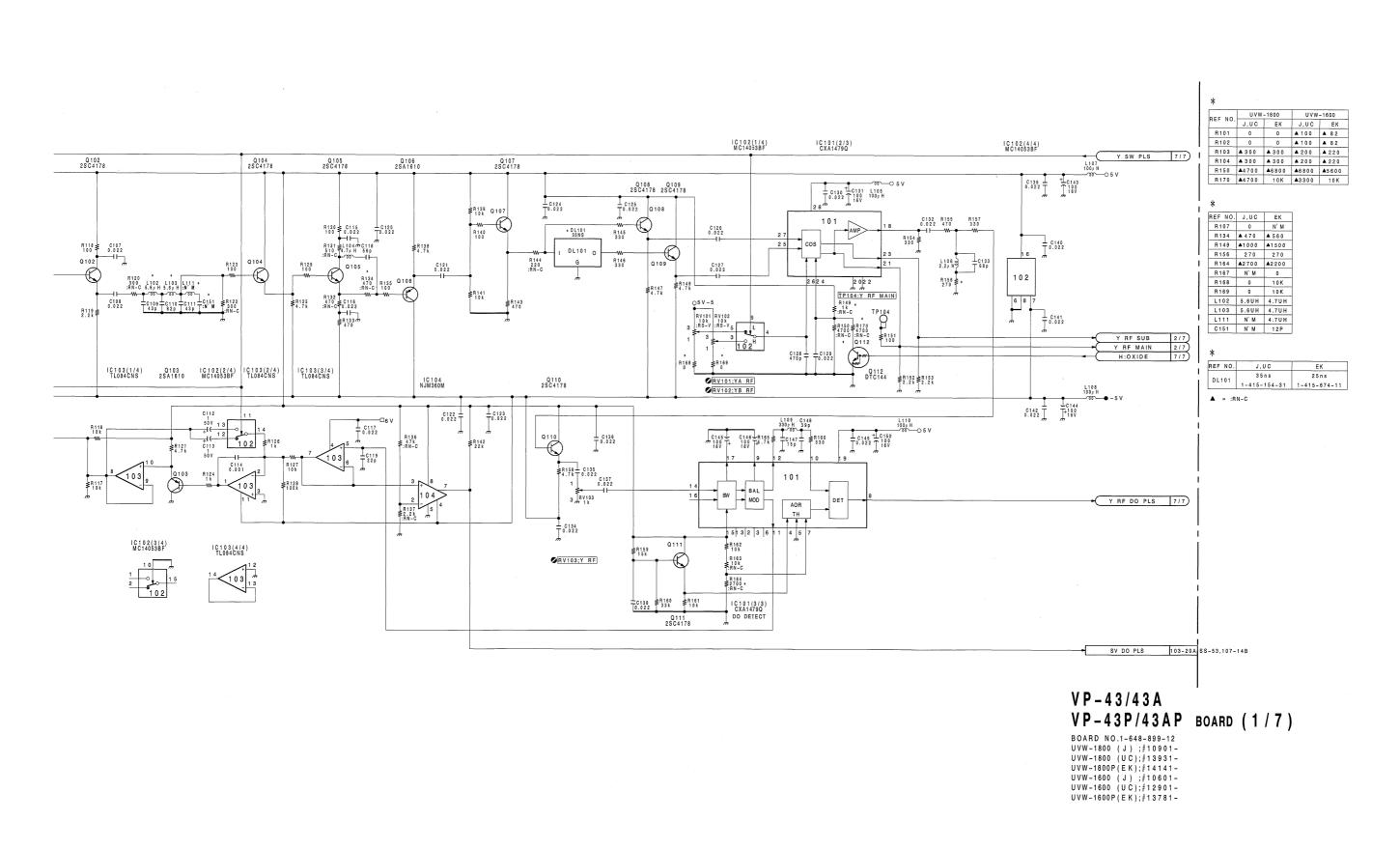
16-108 (b)

16-109 (b1)

Ε

UVW-1800/1600 UVW-1800P/1600P **H** 

C



UVW-1800/1600 16-109 (b2) 16-109 (b2) UVW-1800P/1600P

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Ν

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VP-43/43A(1-648-899-11, 12)
    CN103
                                                                        RV701
                          IC703
IC704
IC705
                                                                                   E-1
E-1
    CN104
               C-6
R-5
                                      R-4
                                                #Q509
                                                                        RV702
                                                            R-4
R-4
    CN105
                                                *Q510
                                                                        RV703
                                                *Q511
                                                                        RV704
                                                                                   G-1
    DL101
                                                #Q512
    DL301
               J-4
                         #Q101
                                                #Q513
                                                                                   P-2
                                                                        TH201
                                                                                   J-2
                         #Q102
                                                 Q514
                                                                        TH401
   *D201
                         #Q103
                                                #Q515
   #D401
               J-2
A-2
B-3
B-4
D-2
E-2
R-4
                         #Q104
                                                #Q516
                                                                                   D-2
                                     N-4
N-3
N-3
                                                Q517
#Q601
#Q602
Q603
   #D501
                         #Q105
                                                                    ● *TH601
                                                                                   D-1
   ₩D502
                         #Q106
   *D503
                                                                        TP101
                                                                                   L-2
                         #Q107
   #D504
                                                                        TP102
                         #Q108
  *D601
                         #Q109
                                                 Q604
                                                                        TP103
△₩D602
                         #Q110
                                                 Q605
                                                                        TP104
                                                                                   P-3
                                     P-5
P-5
M-2
                                                 Q606
  ₩D701
                         *Q111
                                                                        TP201
                                                                                   P-1
                                                 Q607
Q608
Q609
                                                                                   H-1
                         #Q112
                                                                        TP301
               P-6
    E101
                         # O201
                                                                        TP302
                                                                                   J-3
L-1
                                      N-1
P-2
               N-1
    E102
                         #Q202
               R-1
                         #Q203
                                                 Q610
    E201
               K-5
G-2
                         #Q204
                                      N-2
                                      P-2
P-2
N-2
N-1
N-1
                                                 Q612
               B-2
B-6
E-4
D-1
                         # Q206
    E501
                                                #Q613
    E502
E601
                                               *Q614
*Q615
                         *Q207
                         # Q208
    E602
                         #Q209
                                                #Q616
               F-2
                         #Q210
                                                *Q617
                         #Q211
                                                #Q618
               M-1
    FL201
                         # Q212
                                                #Q619
                                     R-2
R-2
P-1
    FL401
FL601
                        *Q213
               H-1
E-2
                                                #Q620
                                               *Q621
*Q622
                         # Q215
    IC101
                                      N-2
                                                #Q623
                         #Q216
    IC102
               M-5
                         #Q217
                                                #Q624
                                                            D-1
    IC103
               N-5
                         #Q218
                                                #Q625
                                                            E-4
D-1
D-1
E-2
F-2
E-2
F-2
F-2
E-2
    IC104
               L-5
L-3
M-2
M-1
P-1
L-2
K-4
G-5
H-5
                         #Q219
                                                #Q626
    IC201
IC202
IC203
                         #Q220
                                      M-2
                                                #Q627
                                               #Q628
#Q701
                         #Q301
                                      J-4
J-4
                         #Q302
    IC204
                                      H-4
                                                #Q702
                         #Q303
    IC205
                                      H-5
                         #Q304
                                                #Q703
    IC301
                         #Q305
                                      H-4
                                                #Q704
    IC302
IC303
IC401
IC402
IC403
                         #Q306
                                      H-3
                                                #Q705
                         #Q307
                                                #Q706
                                     J-4
J-4
K-3
K-5
H-2
              *Q308
                                                #Q707
                         # Q309
                                                             F-1
F-2
F-1
                                                *Q708
                         #Q310
                                                *Q709
    IC404
                         #Q311
                                                *Q710
    IC501
                         # Q401
                                                #Q711
                                                             F-2
                         #Q402
                                      J-1
                                                #Q712
                                                             F-2
    IC503
                         #Q403
                                                #Q713
                                      J-1
J-2
J-1
J-1
J-1
J-2
    IC504
IC505
IC506
                         *Q404
                                                *Q714
                         #Q405
                         # Q406
                                                 RV101
                                                            L-1
    IC507
                         *Q407
                                                 RV102
                         # Q408
                                                 RV103
                                                            P-4
M-3
     IC509
                         #Q409
                                                  RV201
    IC510
                         *Q410
                                     J-1
J-2
K-2
K-2
K-2
H-2
H-2
A-1
                                                  RV301
    IC511
IC512
                                                 RV302
RV303
RV401
                                                            H-1
K-4
H-3
                         #Q411
                        *Q412 *Q413
    IC601
     IC602
                                                  RV501
                                                            A-4
                                                            A-4
B-4
B-4
B-4
B-4
     IC603
                                                  RV502
                                                 RV503
RV504
    IC604
                         ★Q416
    IC605
                         #Q417
                         *Q418
*Q501
                                                 RV505
RV506
    IC606
    IC607
    IC608
                          Q502
Q503
                                                  RV601
                                                            D-1
    IC609
               E-2
                                                  RV602
                                                            F-1
                           Q504
                                      A-1
                                                  RV603
                                                            D-1
              D-2
C-2
F-1
    IC611
                         #Q505
                                                  RV604
                                                            D-1
    IC612
                         #Q506
                                                  RV605
    IC701
                           Q507
                                                  RV606
* : B SIDE
    UVW-1800/1800P ONLY
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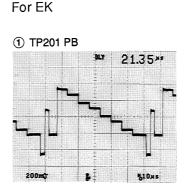
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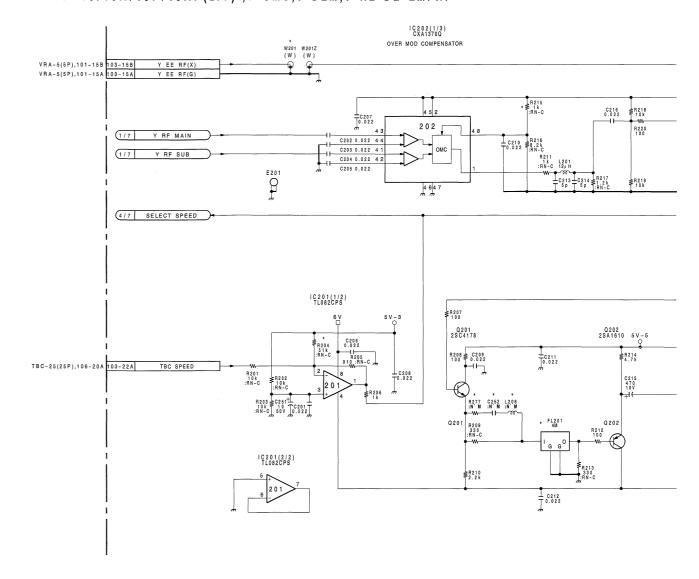
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```
For J,UC
① TP201 PB
            43.50 **
      500mU
                  10µs
```



```
UVW-1800 (J); Serial No.10901 and UVW-1800 (UC); Serial No.13931 and
UVW-1800P(EK); Serial
                               No.14141
                                             a n d
UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher
                                                    higher
UVW-1600P(EK); Serial No.13781 and higher
```

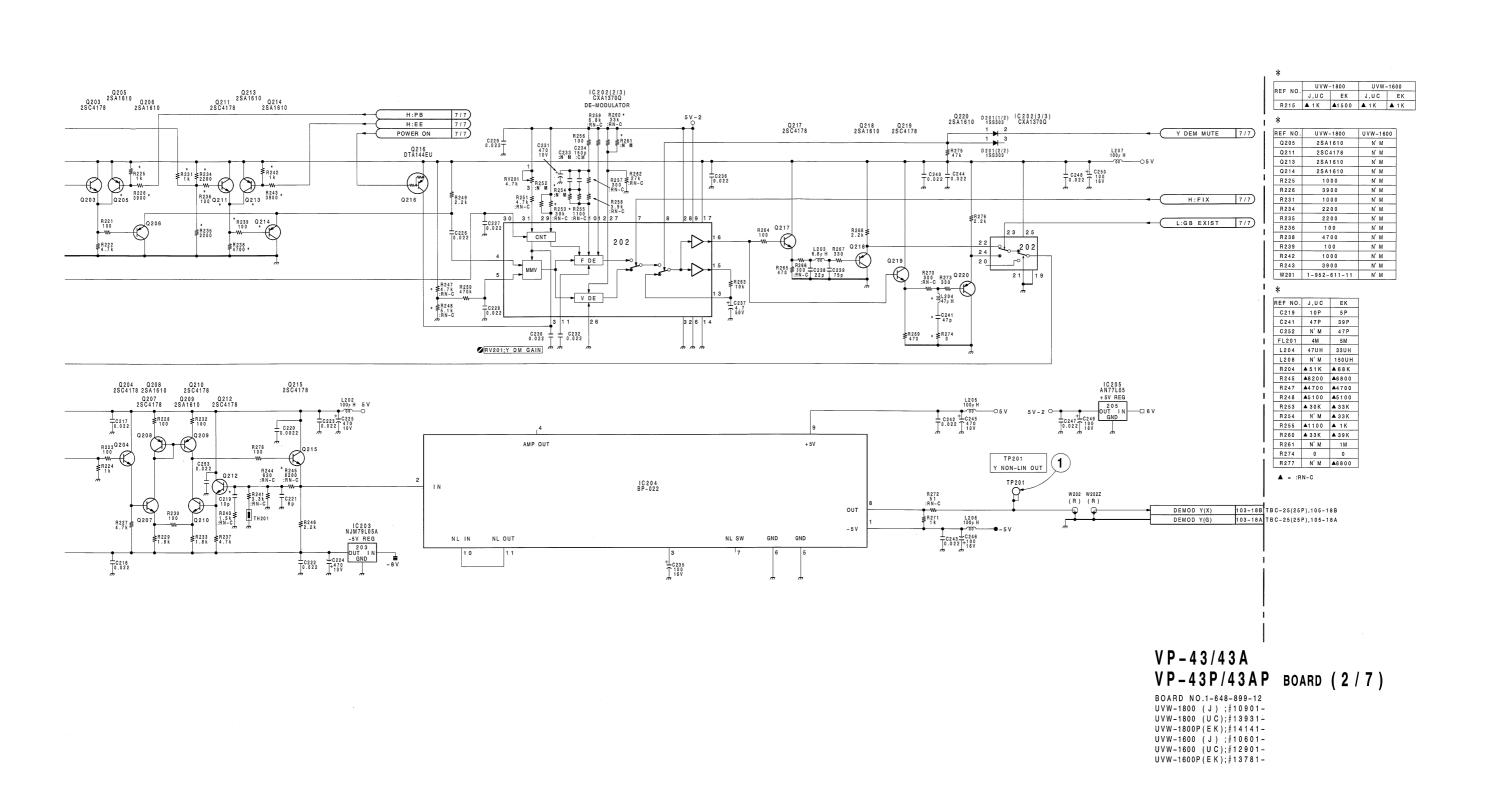
VP-43/43A/43P/43AP(2/7); Y OMC, Y DEM, Y NL DE-EMPH.



N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY

©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY



UVW-1800/1600 UVW-1800P/1600P 16-113 (b2)

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16-113 (b2)

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16-116 (b)

D

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VP-43/43A(1-648-899-11, 12)
     CN103
                                                          Q508
                                                                                     RV701
                               IC703
IC704
IC705
                                             R-4
R-4
R-4
                                                        *Q509
*Q510
    CN104
CN105
                 C-6
R-5
                                                                                                  E-1
E-1
G-1
                                                                      RV702
                                                                                     RV703
                                                        #Q511
                                                                                     RV704
    DL101
                                                         #Q512
    DL301
                  J-4
                             #Q101
                                             N-5
                                                        #Q513
                                                                                     TH201
                                                          Q514
                                                                                     TH401
                              #Q102
   *D201
                                                        #Q515
                                             N-4
N-4
N-3
N-3
   ₩D401
                             #Q104
                                                        #Q516
                                                                                TH601
                 J-2
A-2
B-3
B-4
D-2
E-2
R-4
   #D501
                                                          Q517
                                                                                ● *TH601
                             #Q105
   #D502
                             #Q106
                                                        #Q601
                                                        #Q602
   *D503
                             #Q107
                                            N-3
N-4
N-4
P-4
P-5
P-5
M-2
                                                          Q603
Q604
                                                                                     TP102
  *D601
                             #Q109
                                                                                     TP103
                                                         Q605
Q606
Q607
Q608
△*D602
                             #Q110
                                                                                     TP104
                                                                                                  P-1
H-1
J-3
L-1
   *D701
                             *Q111
                                                                                     TP201
                                                                                     TP301
TP302
                              #O112
                  P-6
    E101
                             #Q201
    E102
                              #Q202
                                             N-1
                                                          Q609
                                             P-2
N-2
                             #Q203
                                                          Q610
                 K-5
G-2
B-2
B-6
E-4
D-1
F-2
     E301
                              #Q204
                                                          Q611
                             #Q205
#Q206
                                            P-2
P-2
N-2
N-1
N-1
     E401
                                                          Q612
                                                        #Q613
#Q614
#Q615
     E501
     E502
                             #Q207
#Q208
     E601
     E602
                             #Q209
                                                        *Q616
    E701
                             #Q210
                                             N-1
                                                        #Q617
                                            P-2
P-1
R-2
R-2
P-1
                                                        #Q618
                  M-1
     FL201
                             ₩ Q212
                                                        *Q619
    FL401
FL601
                 H-1
E-2
                             *Q213
*Q214
                                                        *Q620
*Q621
                              ₩Q215
                                                        #Q622
                              #Q216
                                             N-2
                                                        #Q623
     IC102
                              #Q217
                                                        #Q624
     IC103
                  N-5
                             #Q218
                                                        #Q625
                                            M-2
M-2
J-4
J-4
H-4
     IC104
IC201
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                                                        #Q626
                             *Q220
*Q301
                                                        *Q627
*Q628
                  L-3
M-2
     IC202
     IC203
                  M-1
                             #Q302
                                                        *Q701
     IC204
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                             #Q303
                                                        #Q702
     IC205
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                             #Q304
                                             H-5
                                                        *Q703
                 K-4
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H-5
H-2
H-1
K-1
     IC301
IC302
IC303
IC401
IC402
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                                                        *Q704
                              #Q306
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J-4
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K-5
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                                                        #Q706
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#Q708
                             #Q308
                             #Q309
     IC403
                             #Q310
                                                        *Q709
     IC404
                 #Q311
                                                        #Q710
     IC501
IC502
IC503
IC504
IC505
IC506
                              # Q401
                                                        #Q711
                                             J-1
J-1
J-2
J-1
J-1
                                                        *Q712
                              *Q403
                                                        #Q713
                             #Q404
                                                        #Q714
                             #Q405
#Q406
                                                          RV101
                                                                      L-1
K-1
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K-4
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A-4
B-4
B-4
D-1
F-1
D-1
F-1
                                                          RV101
RV102
RV103
RV201
RV301
RV302
RV303
RV401
     IC507
                              #Q407
     IC508
IC509
IC510
IC511
IC512
                              #Q409
                                             J-2
J-1
J-2
K-2
K-2
J-2
H-2
A-1
A-1
A-5
A-4
B-1
                             *Q410 *Q411
                             *Q412
*Q413
*Q414
*Q415
*Q416
     IC601
     IC602
IC603
IC604
IC605
IC606
                                                          RV501
                                                          RV502
RV503
RV504
RV505
RV506
                             *Q417
*Q418
     IC607
                              #Q501
     IC608
                               Q502
                                                           RV601
     IC609
                                                           RV602
     IC610
                               Q504
                                                           RV603
     IC611
                              #Q505
                                                          RV604
     IC612
                              #Q506
                                                          RV605
    IC701
                               Q507
                                                          RV606
```

P-2

J-2

D-1

1-2

P-3

# : B SIDE

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: UVW-1800/1800P ONLY

N: UVW-1800/1600 ONLY

△: 1-648-899-11 ONLY

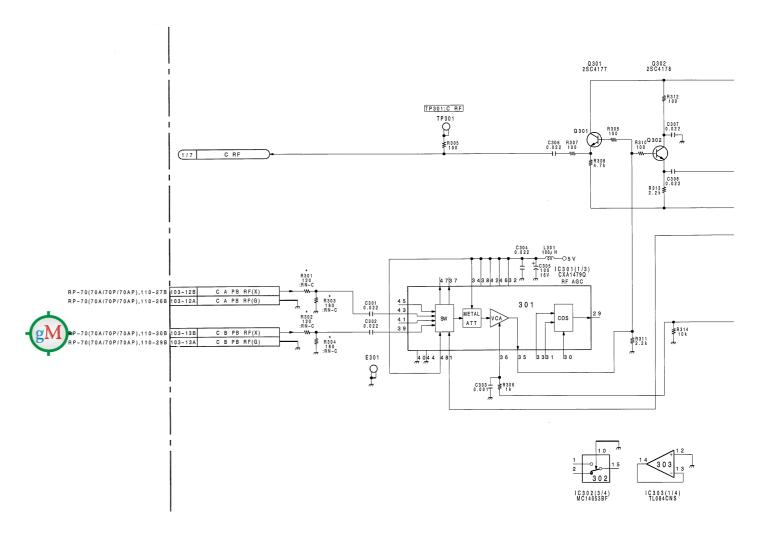
©: UVW-1800 (1-648-899-12) ONLY

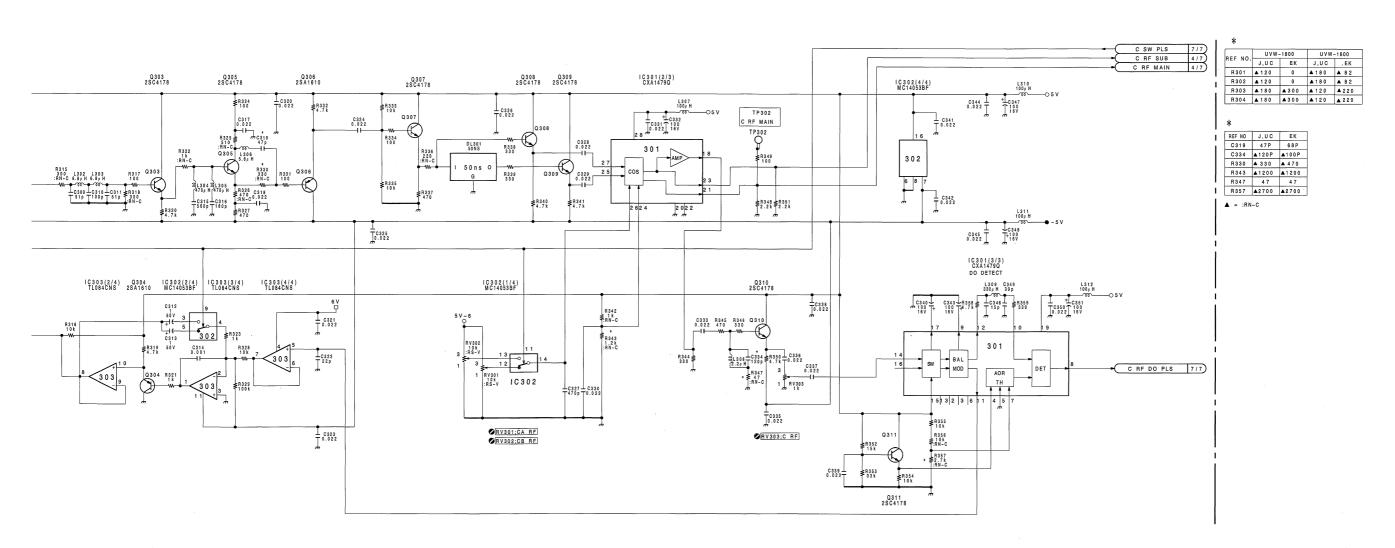
●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

В

```
UVW-1800 ( J ) ; Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher
                                              and higher
UVW-1800P(EK); Serial
                                No.14141
                                              a n d
UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher
UVW-1600P(EK); Serial No.13781 and higher
```

VP-43/43A/43P/43AP(3/7); C RF AGC/EQ, C DO DET.





VP-43/43A VP-43P/43AP BOARD (3/7)

BOARD NO.1-648-899-12 UVW-1800 (J);#10901-UVW-1800 (UC);#13931-UVW-1800 (EK);#14141-UVW-1600 (JC);#12901-UVW-1600 (EK);#13781-

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UVW-1800/1600 UVW-1800P/1600P 16-117 (b2)

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16-117 (b2)

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VP-43/43A(1-648-899-11, 12)
    CN103
                                                  Q508
                                                                         RV701
    CN104
                           IC703
                                      R-4
                                                *Q509
                                                                         RV702
                                                            CN105
               R-5
                           IC704
                                      R-4
R-4
                                                #Q510
                                                                        RV703
                                                                                   E-1
                                               #Q511
#Q512
                           IC705
                                                                                   G-1
                                                                        RV704
    DL101
    DL301
               J-4
                         #Q101
                                      N-5
                                                *Q513
                                                                        TH201
                                                                                   P-2
                         #Q102
                                                 Q514
                                                                        TH401
                                                                                   J-2
   #D201
                         #Q103
                                                #Q515
   #D401
                         #Q104
                                      N-4
                                                #Q516
                                                                        TH601
               J-2
B-2
B-3
B-4
D-2
E-2
R-4
   #D501
                         *Q105
                                      N-4
                                                 Q517
                                                                    ● * TH601
                                                                                   D-1
   *D502
                                               *Q601
*Q602
                         *Q106
                                      N-3
N-3
   #D503
                         # Q107
                                                 Q603
                         #Q108
                                                                        TP102
  *D601
                         #Q109
                                                  Q604
                                                                                   L-1
△*D602
                         #Q110
                                      P-4
                                                  Q605
                                                 Q606
Q607
Q608
Q609
                                      P-5
                                                                                   P-1
H-1
  ₩<u>D701</u>
                         *Q111
                                                                         TP201
                                     P-5
M-2
                         #Q112
                                                                         TP301
               P-6
    E101
                         # Q201
                                                                        TP302
                                                                                   J-3
L-1
    E102
               N-1
                                      N-1
                         #Q202
                         #Q203
                                                  Q610
               K-5
G-2
    E301
                         # Q204
                                      N-2
                                                  Q611
    E401
                         #Q205
               B-2
B-6
E-4
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                                     P-2
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N-1
    E501
                         # Q206
                                                *Q613
    E502
                        #Q207
#Q208
                                                ₩Q614
    E601
                                                #Q615
    E602
                                                #Q616
                         #Q209
                         #Q210
                                                #Q617
                                                #Q618
    FL201
                         * Q212
                                      P-1
R-2
R-2
P-1
                                                #Q619
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*Q621
*Q622
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                        #Q213
#Q214
    FL601
                         * Q215
                         #Q216
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                                                            D-1
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D-4
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                                                #Q625
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J-4
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                                                #Q626
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M-1
P-1
                                                            D-1
D-1
E-2
F-2
E-2
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*Q628
                         *Q220
    IC202
                         #Q301
    IC203
                         #Q302
                                                *Q701
    IC204
                         #Q303
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     IC205
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                         #Q304
                                      H-5
                                                *Q703
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     IC301
                         *Q305
                                      H-4
                                                *Q704
                                                             E-2
F-2
                         #Q306
                                      H-3
                                                #Q705
               H-5
H-2
H-1
K-1
G-2
A-5
    IC303
IC401
IC402
IC403
                         #Q307
                                      J-3
                                                *Q706
                                      J-4
J-4
K-3
K-5
H-2
                         #Q308
                                                #Q707
                                               *Q708
*Q709
                         #Q309
                                                             F-1
                         #Q310
                                                             F-2
    IC404
                         *Q311
                                                *Q710
                                                             F-1
     IC501
                                                *Q711
                                                             F-2
                         #Q401
     IC502
                         #Q402
                                                *Q712
                                                            F-2
               J-1
J-2
J-1
J-1
J-1
J-1
J-2
    IC503
IC504
IC505
                         #Q403
                                                #Q713
                         #Q404
                                                *Q714
                                                            E-1
                         *Q405
    IC506
                         *Q406
                                                  RV101
     IC507
                         *Q407
                                                 RV102
                                                            P-4
M-3
                         # Q408
                                                  RV103
    IC509
                         #Q409
                                                  RV201
    IC510
IC511
                                                 RV301
RV302
RV303
RV401
                                                            J-1
H-1
                         *Q410
                                     J-1
J-2
K-2
K-2
K-2
J-2
H-2
H-2
A-1
                         *Q411
    IC512
                         *Q412
*Q413
*Q414
    IC601
                                                            H-3
                                                  RV501
                                                            A-4
                                                            A-4
B-4
B-4
B-4
D-1
     IC603
                         # Q415
                                                  RV502
    IC604
                         ₩Q416
                                                  RV503
                                                 RV504
RV505
RV506
    IC605
IC606
                        *Q417
*Q418
                         # Q501
    IC607
    IC608
                          Q502
                                                  RV601
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D-2
                           Q503
                                      A-1
                                                  RV602
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                           Q504
                                                  RV603
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C-2
F-1
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                                                            C-1
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    UVW-1800/1800P ONLY
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N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY

©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

В

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For J,UC
① TP401 PB
           1LY 42.75 ×5
For EK
① TP401 PB
           21.35
  500mG
      .
               %10µs
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16-120 (b)

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С

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UVW-1800 ( J ) ; Serial \, No.10901 and higher \,UVW-1800 (UC); Serial \, No.13931 and higher
 UVW-1800P(EK); Serial
                                     No.14141 and higher
 UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher
 UVW-1600P(EK); Serial No.13781 and higher
VP-43/43A/43P/43AP(4/7); C OMC, C DEM, C NL DE-EMPH.
                                                                               IC401(1/2)
CXA1370Q
                                                          W401 W401Z
(Y) (Y)
                                                                           OVER MOD COMPENSATOR
     VRA-5(5P),101-16B 103-16B
                              C EE RF(X)
      VRA-5(5P),101-16A 103-16A
                                                                                                              * R420
R415
470
:RN-C
                                                                    C405
                                                                                 401
                      3/7 C RF MAIN
                                                         C402 0.022
                                                                                                     C403 0.022
                              C RF SUB
                                                          C404 0.022
                                                E401
                       2/7 SELECT SPEED
                                                                   Q401
2SC4178
                                                                                          Q402
2$A1610
                                                                                                         Q403 Q405 Q406 Q408
2SC4178 2SA1610 2SA1610 2SC4178
                                                                                                  5 V - 6
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C414 0.022

Q 407 2 S C 4 1 7 8

Q407

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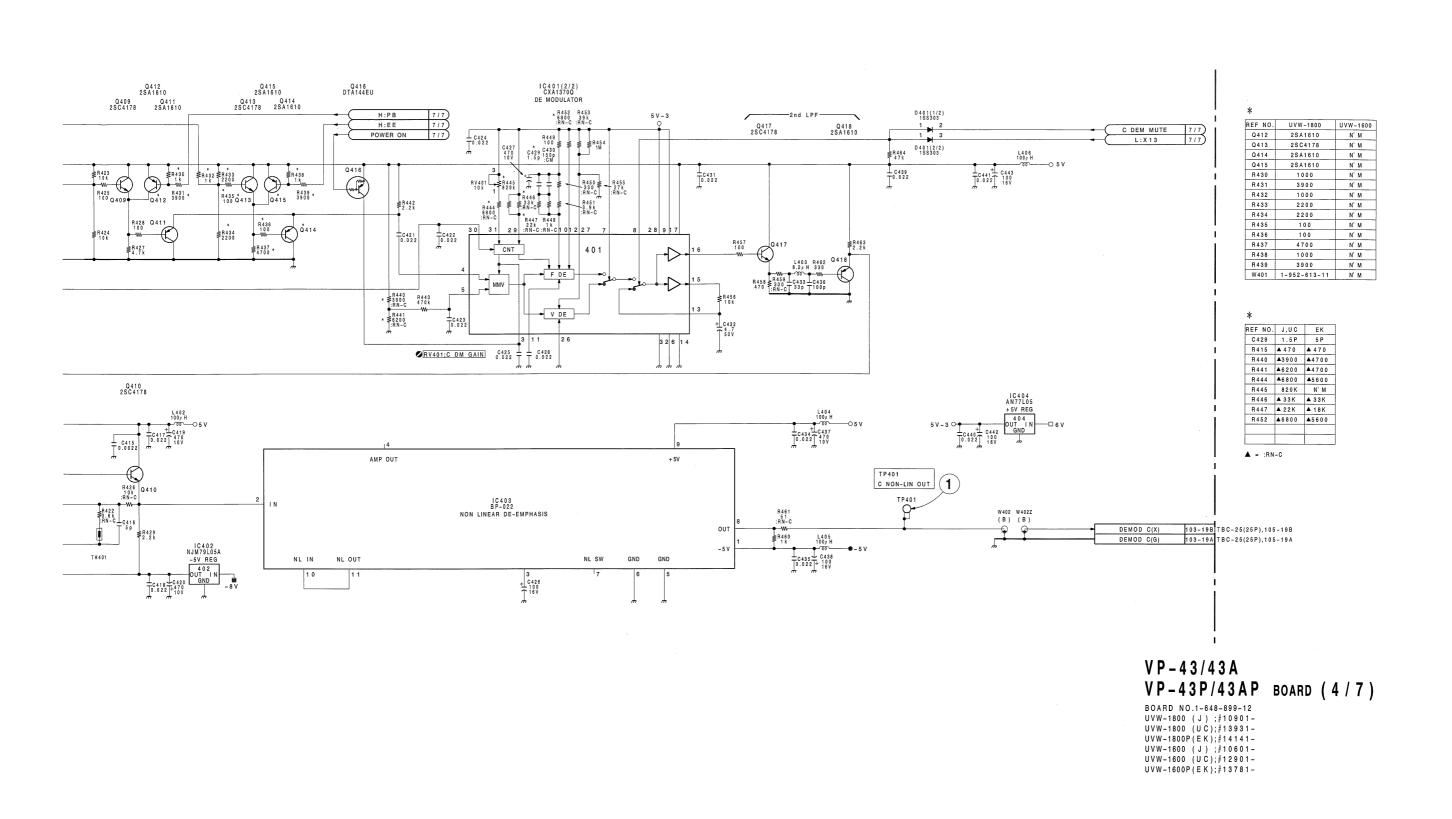
R 413 100

C411

R408 Q403

C408

C40677



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16-121 (b2) 16-121 (b2)

K | L | M | N |

UVW-1800/1600

UVW-1800P/1600P

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VP-43/43A(1-648-899-11, 12)
    CN103
                                           Q508
                                                                RV701
                                 R-4
R-4
R-4
    CN104
                       IC703
                                          #Q509
                                                                RV702
                                                     Ē-1
G-1
    CN105
             R-5
                       IC704
                                          #Q510
                                                               RV703
                                          *Q511
*Q512
                        IC705
                                                               RV704
   DL101
   DL301
             J-4
                      #Q101
                                 N-5
                                          *Q513
                                                               TH201
                                                                        P-2
                      #Q102
                                           Q514
                                                               TH401
                                                                        J-2
  *D201
                                          #Q515
             J-2
A-2
B-2
B-3
  #D401
                                          #Q516
                                                               TH601
  #D501
                      *Q105
                                 N-4
                                           Q517
                                                           ● * TH601
                                                                        D-1
  *D502
                                          #Q601
#Q602
                      #Q106
                                 N-3
N-3
  #D503
                      #O107
             B-4
D-2
E-2
R-4
  #D504
                                           Q603
                                                               TP102
                      #Q108
  #D601
                      *Q109
                                           Q604
△*D602
                      #Q110
                                           Q605
                                 P-5
P-5
M-2
                                           Q606
Q607
Q608
  *D701
                      *Q111
                                                                TP201
                                                                        H-1
J-3
L-1
                      *Q112
                                                                TP301
             P-6
   E101
                                                                TP302
                      *O201
             N-1
                                           Q609
   E102
                      #Q202
                      *Q203
                                           Q610
    E301
    E401
                                           Q612
```

K-5 G-2 B-2 B-6 E-4 D-1 F-2 P-2 P-2 N-2 N-1 N-1 E501 **₩** Q206 **#**Q613 E502 #Q207 #Q208 **\***Q614 **\***Q615 E601 E602 #Q616 #Q209 #Q210 #Q617 #Q618 FL201 # Q212 P-1 R-2 R-2 P-1 **#**Q619 FL401 H-1 E-2 \* Q213 \* Q214 #Q620 #Q621 FL601 # Q215 #Q622 #Q216 #Q623 #Q217 #Q624 D-1 E-4 D-1 D-1 E-2 F-2 E-2 F-2 F-1 F-1 IC103 N-5 L-5 L-3 M-2 M-1 P-1 L-2 K-4 G-5 #Q218 #Q625 IC104 IC201 IC202 \*Q626 \*Q627 \*Q628 **#**Q219 M-2 M-2 J-4 J-4 #Q220 # Q301 IC203 **\*** Q302 #Q701 3 IC204 #Q303 #Q702 **\***Q304 H-5 **\***Q703 #Q305 #Q704 #Q306 #Q705 IC303 IC401 IC402 H-5-2-5-2-2-2-3-5-4-5-4-6-6-4-4-4-3-3-3-3-2-2 #Q307 #Q706 J-4 J-4 K-3 K-5 H-2 **#** Q308 **#**Q707 #Q309 #Q708 IC403 **\***Q709 #Q310 IC404 F-1 F-2 **\***Q311 **#**Q710 # Q401 **\***Q711 F-2 F-1 E-1 IC502 #Q402 #Q712 IC503 IC504 IC505 **\***Q403 J-1 J-2 J-1 J-1 J-2 J-2 J-2 K-2 K-2 H-2 H-2 A-1 **#**Q713 **₩** Q404 **#**Q714 **#** Q405 IC506 **\***Q406 RV101 K-1 P-4 M-3 IC507 #Q407 RV102 RV103 IC509 **\***Q409 RV201 RV301 RV302 RV303 IC510 IC511 J-1 H-1 K-4 H-3 **\***Q410 #Q411 IC512 **#**Q412 IC601 RV401 A-4 A-4 B-4 B-4 B-4 **₩** Q414 RV501 RV502 RV503 RV504 RV505 IC603 **★**Q415 IC604 IC605 #Q416 **★** Q417 IC606 **\***Q418 IC607 RV506 #Q501 IC608 Q502 RV601 D-1 E-2 D-2 RV602 D-1 IC610 Q504 RV603 D-2 D-1 IC611 **\***Q505 RV604 C-2 F-1 IC612 **#**Q506 RV605 IC701 Q507 RV606

# : B SIDE

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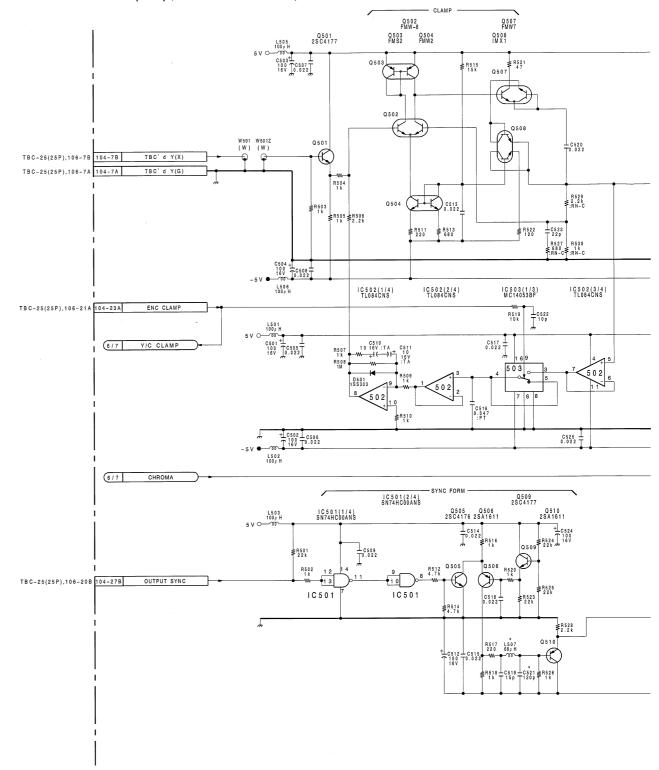
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△: 1-648-899-11 ONLY ©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

UVW-1800 (J); Serial	No.10901	a n d	higher
UVW-1800 (UĆ); Serial	No.13931	and	higher
UVW-1800P(EK); Serial			
UVW-1600 (J); Serial			
UVW-1600 (UĆ); Serial	No.12901	a n d	higher
UVW-1600P(EK);Serial	No.13781	and	higher

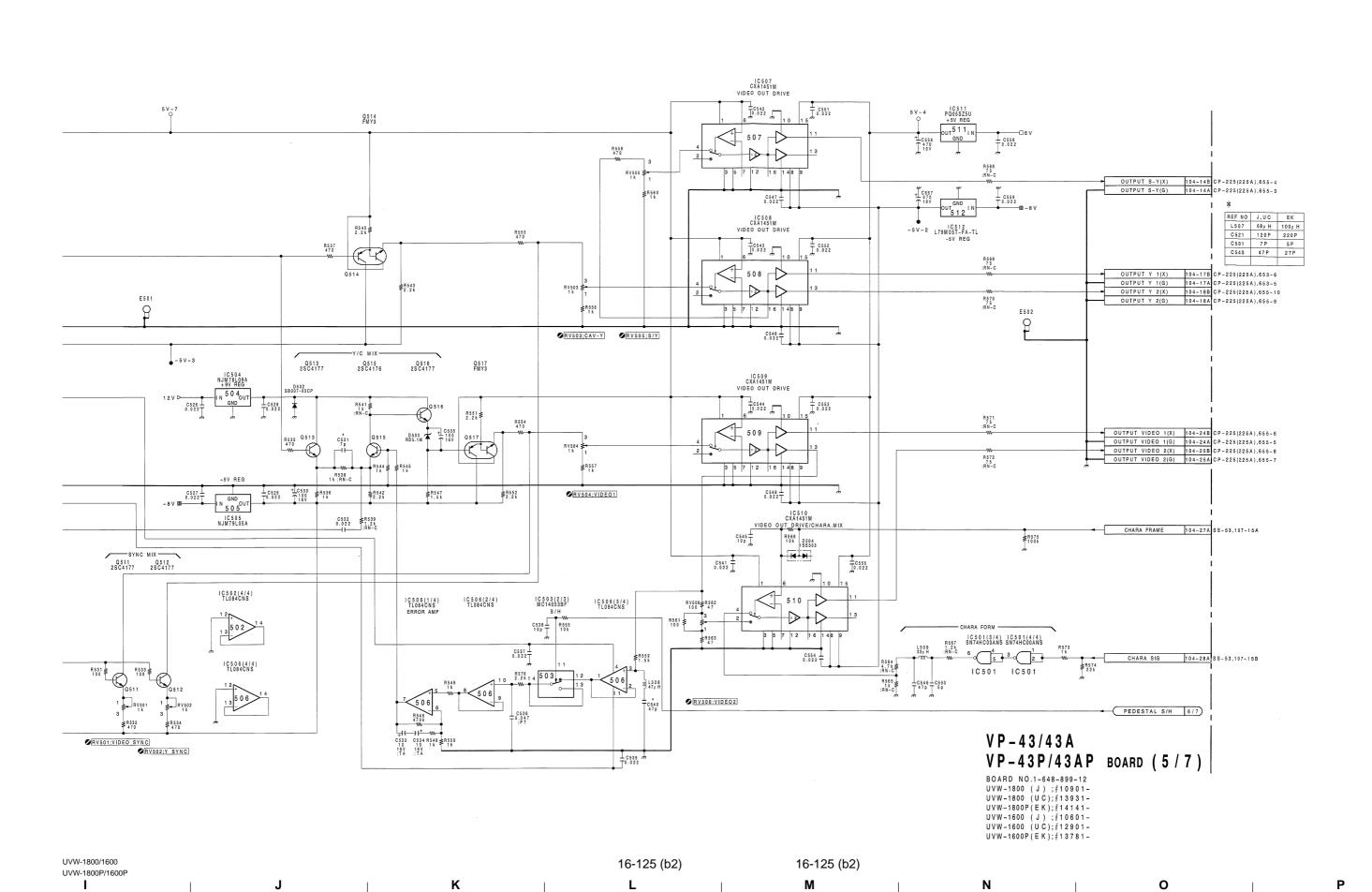
### VP-43/43A/43P/43AP(5/7);Y/S-Y OUT DRIVE, COMPOSITE OUT DRIVE CHARA/SYNC MIX



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CN103 CN104 CN105	N-6 C-6 R-5	IC702 IC703 IC704	F-1 R-4 R-4	Q508 <b>*</b> Q509 <b>*</b> Q510	B-1 A-4 A-4	RV701 RV702 RV703	E
DL101 DL301	N-4 J-4	#Q101	R-4 N-5	#Q511 #Q512 #Q513	A-4 A-4 B-2	TH201	F
<b>*</b> D201 <b>*</b> D401	N-2 J-2	#Q102 #Q103 #Q104	N-4 N-5 N-4	Q514 <b>#</b> Q515 <b>#</b> Q516	B-3 B-2 B-2	TH401	J
<b>*</b> D501 <b>*</b> D502	A-2 B-2	#Q105 #Q106	N-4 N-3	Q517 <b>*</b> Q601	B-3 F-5	● <b>*</b> TH601	Ē
*D503 *D504	B-3 B-4	#Q107 #Q108	N-3 N-4	#Q602 Q603	F-5 E-5	TP101 TP102	F
*D601 *D602 *D701	D-2 E-2 R-4	*Q109 *Q110 *Q111	N-4 P-4 P-5	Q604 Q605 Q606	F-5 F-5 F-5	TP103 TP104 TP201	F F
E101 E102	P-6 N-1	#Q112 #Q201 #Q202	P-5 M-2 N-1	Q607 Q608 Q609	E-5 F-5 E-4	TP301 TP302 TP401	J L
E201 E301	R-1 K-5	#Q203 #Q204	P-2 N-2	Q610 Q611	F-4 F-5		
E401 E501	G-2 B-2	# Q205 # Q206	P-2 P-2	Q612 #Q613	F-5 D-4		
E502 E601	B-6 E-4	# Q207 # Q208	N-2 N-1	#Q614 #Q615	D-3 D-3		
E602 E701	D-1 F-2	#Q209 #Q210	N-1 N-1	#Q616 #Q617	C-3 C-3		
FL201	M-1	#Q211 #Q212	P-2 P-1	#Q618 #Q619	F-2 F-2		
FL401 FL601	H-1 E-2	#Q213 #Q214 #Q215	R-2 R-2 P-1	#Q620 #Q621 #Q633	F-3 F-3 E-3		
IC101 IC102	P-4 M-5	#Q216 #Q217	N-2 M-2	#Q622 #Q623 #Q624	D-3 D-1		
IC102 IC103 IC104	N-5 L-5	#Q218 #Q219	M-2 M-2 M-2	#Q625 #Q626	E-4 D-4		
IC201 IC202	L-3 M-2	# Q220 # Q301	M-2 J-4	#Q627 #Q628	D-1 D-1		
IC203 IC204	M-1 P-1	# Q302 # Q303	J-4 H-4	#Q701 #Q702	E-2 F-2		
IC205 IC301	L-2 K-4	# Q304 # Q305	H-5 H-4	#Q702 #Q703 #Q704	E-2 F-2		
IC302 IC303	G-5 H-5	#Q306 #Q307	H-3 J-3	#Q705 #Q706	E-2 F-2		
IC401 IC402	H-2 H-1	# Q308 # Q309	J-4 J-4	#Q700 #Q707 #Q708	E-1 F-1		
IC403 IC404	K-1 G-2	#Q309 #Q310 #Q311	K-3 K-5	#Q708 #Q709 #Q710	F-2 F-1		
IC501 IC502	A-5 A-2	# Q401 # Q402	H-2 J-1	#Q710 #Q711 #Q712	F-2 F-2		
IC502 IC503 IC504	A-2 B-2	<b>*</b> Q402 <b>*</b> Q403 <b>*</b> Q404	J-1 J-2	#Q712 #Q713 #Q714	F-1 E-1		
IC505 IC506	B-2 A-3	# Q404 # Q405 # Q406	J-1 J-1	RV101	L-1		
IC507 IC508	B-5 C-4	# Q400 # Q407 # Q408	J-1 J-1	RV102 RV103	K-1 P-4		
IC509 IC510	B-5 B-4	# Q409 # Q410	J-2 J-1	RV201 RV301	M-3 J-1		
IC511 IC512	J-6 G-6	#Q411 #Q412	J-2 J-2	RV302 RV303	H-1 K-4		
IC601 IC602	D-4 D-4	* Q413 * Q414	K-2 K-2	RV401 RV501	H-3 A-4		
IC602 IC603 IC604	F-4 F-3	* Q415 * Q416	K-2 K-2 J-2	RV502 RV503	A-4 A-4 B-4		
IC604 IC605 IC606	F-3 E-3	#Q416 #Q417 #Q418	H-2 H-2	RV504 RV505	B-4 B-4		
IC608 IC608	F-3 F-2	#Q418 #Q501 Q502	Π-∠ A-1 A-1	RV505 RV506 RV601	B-4 B-4 D-1		
IC609	E-2	Q503	A-1	RV601 RV602 RV603	F-1		
IC610 IC611	D-2 D-2	Q504 <b>#</b> Q505	A-1 A-5	RV604	D-1 D-1		
IC612 IC701	C-2 F-1	<b>#</b> Q506 Q507	A-4 B-1	RV605 RV606	F-1 C-1		

UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher VP-43/43A/43P/43AP(6/7); ENCODE, S-C OUT DRIVE 5 V O 100 H C603 100 15 V D 0.022 Q601 28C4177 Q605 FMS2 Q 6 0 7 FMW2 TBC-25(25P),106-9B 104-9B TBC' d R-Y(X) R628 ≢ Q609 1 R 624 ≱ R613 ≱ C607 0.022 ρ TBC-25(25P),106-9A 104-9A TBC' d R-Y(G) L602 100p H Q612 Q608 R618 FMW2 47 Q602 28C4177 Q606 Q604 FMS2 FMW-8 Q602 R609 TBC-25(25P),106-8B 104-8B TBC' d B-Y(X) R629 ≱ TBC-25(25P),106-8A 104-8A TBC' d B-Y(G) Q613 Q614 Q615 2SC4176 2SA1611 2SC4177 L603 100≠ H 5 V ○—⁄3\*^ IC601(1/3) SN74LS221NS IC601(2/3) SN74LS221NS TBC-25(25P),105-7A 104-26A ±C620 ₹R636 ₹R640 ¥R634 + C621 + C623 ≠ R641 Q616 2SA1611 1 0 0 2 0 0 3 1 C 6 0 2 (3/4) SN74HC00ANS TBC-25(25P),106-21B 104-28B ENC BLANK

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©: UVW-1800 (1-648-899-12) ONLY

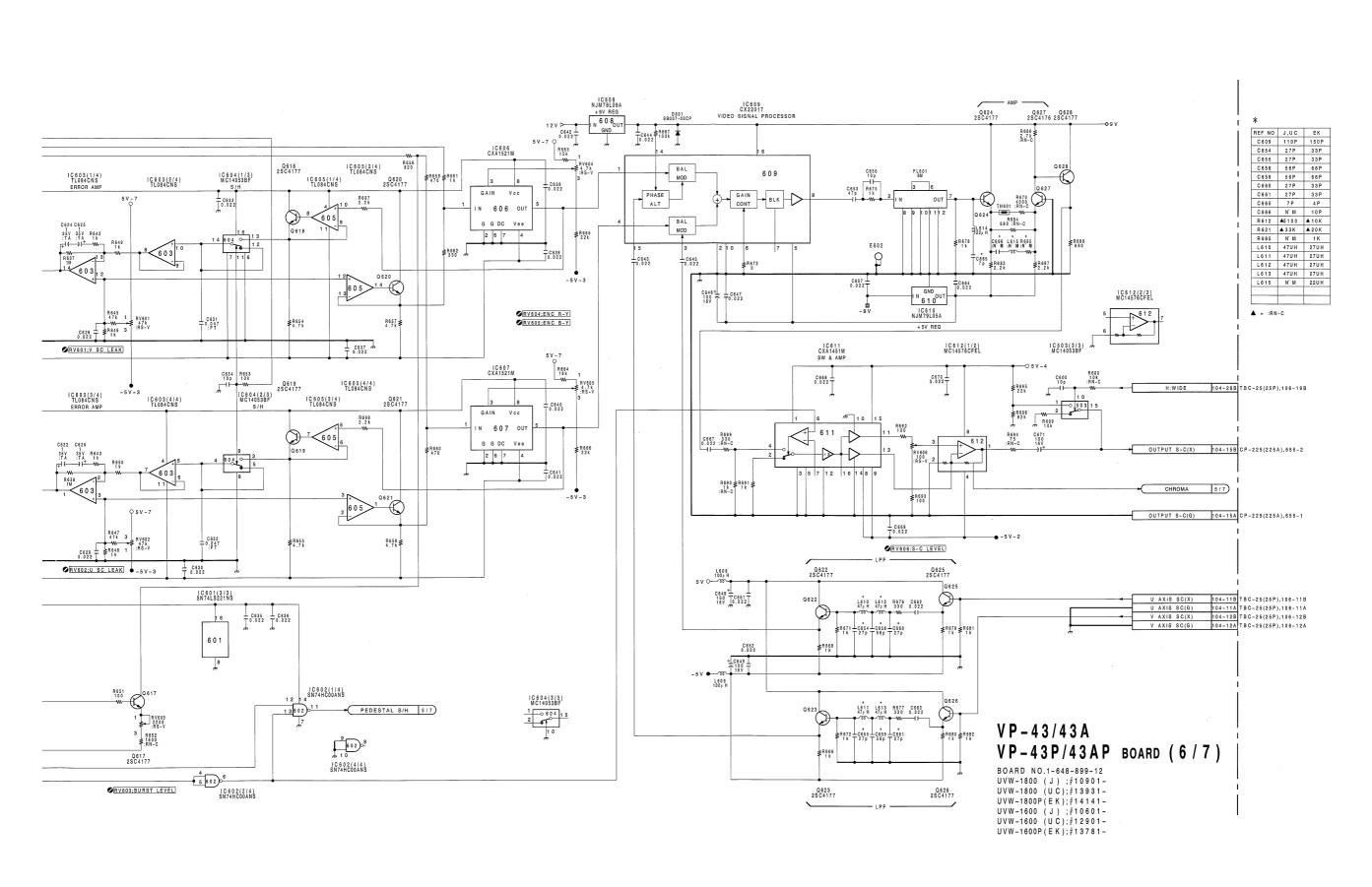
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UVW-1800/1600 16-129 (b2) 16-129 (b2) UVW-1800P/1600P Κ

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VP-43/43A(1-648-899-11, 12) F-1 R-4 R-4 R-4 CN103 RV701 E-1 E-1 E-1 G-1 IC702 Q508 IC703 IC704 IC705 \*Q509 \*Q510 \*Q511 RV702 RV703 CN104 CN105 C-6 R-5 RV704 DL101 #Q512 N-4 J-4 P-2 J-2 DL301 **#**Q101 **\***Q513 TH201 #Q102 TH401 **#**D201 N-2 #Q103 **#**Q515 ○ TH601
◆ \*TH601 \*D401 \*D501 \*D502 \*Q516 Q517 \*Q601 \*Q602 J-2 A-2 B-2 B-3 B-4 D-2 E-2 R-4 **#**Q104 #Q105 #Q106 D-1 **#**D503 **#**Q107 TP101 L-2 Q603 Q604 TP102 TP103 **#**D504 #Q108 P-1 L-1 P-3 P-1 H-1 J-3 L-1 **\***D601 **#**Q109 △**\***D602 **\***D701 **#**Q110 Q605 TP104 Q606 Q607 Q608 TP201 TP301 TP302 **\***Q111 **\***Q112 E101 #Q201 E101 E102 E201 E301 E401 E501 E502 E601 #Q202 Q609 TP401 R-1 K-5 G-2 B-2 B-6 E-4 #Q203 #Q204 \*Q205 \*Q206 \*Q207 \*Q208 Q612 \*Q613 \*Q614 \*Q615 E602 E701 D-1 F-2 #Q209 **\***Q616 #Q210 **\***Q617 **#**Q211 #Q618 FL201 FL401 FL601 \*Q212 \*Q213 \*Q214 M-1 H-1 E-2 \*Q619 \*Q620 \*Q621 \*Q622 # Q215 #Q216 #Q623 M-5 #Q217 #Q624 N-5 L-5 L-3 M-2 #Q218 #Q219 #Q220 IC103 **#**Q625 \*Q626 \*Q627 \*Q628 IC104 IC201 IC202 IC203 IC204 IC205 IC301 IC302 IC303 IC401 IC402 IC403 #Q301 #Q302 **#**Q701 P-1 L-2 #Q303 #Q702 #Q304 #Q703 K-4 G-5 H-5 H-2 H-1 K-1 G-2 #Q305 #Q704 #Q306 #Q705 #Q307 #Q308 #Q309 **#**Q706 \*Q707 \*Q708 \*Q709 #Q310 F-1 F-2 F-2 F-1 E-1 IC404 IC501 IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC509 IC511 IC511 IC601 IC602 IC603 IC604 IC604 IC606 IC606 IC606 IC606 **#**Q311 **\***Q710 A-5-2-2-3-3-5-4-6-6-4-4-4-3-3-3-2-2-2-2-2-1 #Q401 **#**Q711 \*Q401 \*Q402 \*Q403 \*Q404 \*Q405 #Q712 **#**Q713 **₩**Q714 #Q406 RV101 RV102 RV103 **\***Q407 K-1 P-4 M-3 J-1 H-1 K-4 H-3 #Q408 #Q409 #Q410 #Q411 RV201 RV301 RV302 #Q412 RV303 \*Q412 \*Q413 \*Q414 \*Q415 \*Q416 RV401 RV502 RV503 RV504 RV505 A-4 B-4 B-4 B-4 D-1 #Q417 #Q418 # Q501 Q502 RV506 RV601 IC609 Q503 IC610 IC611 IC612 IC701 D-1 Q504 RV603 \*Q505 \*Q506 D-1 RV604 A-4 B-1 F-1 C-1 RV605 Q507 RV606

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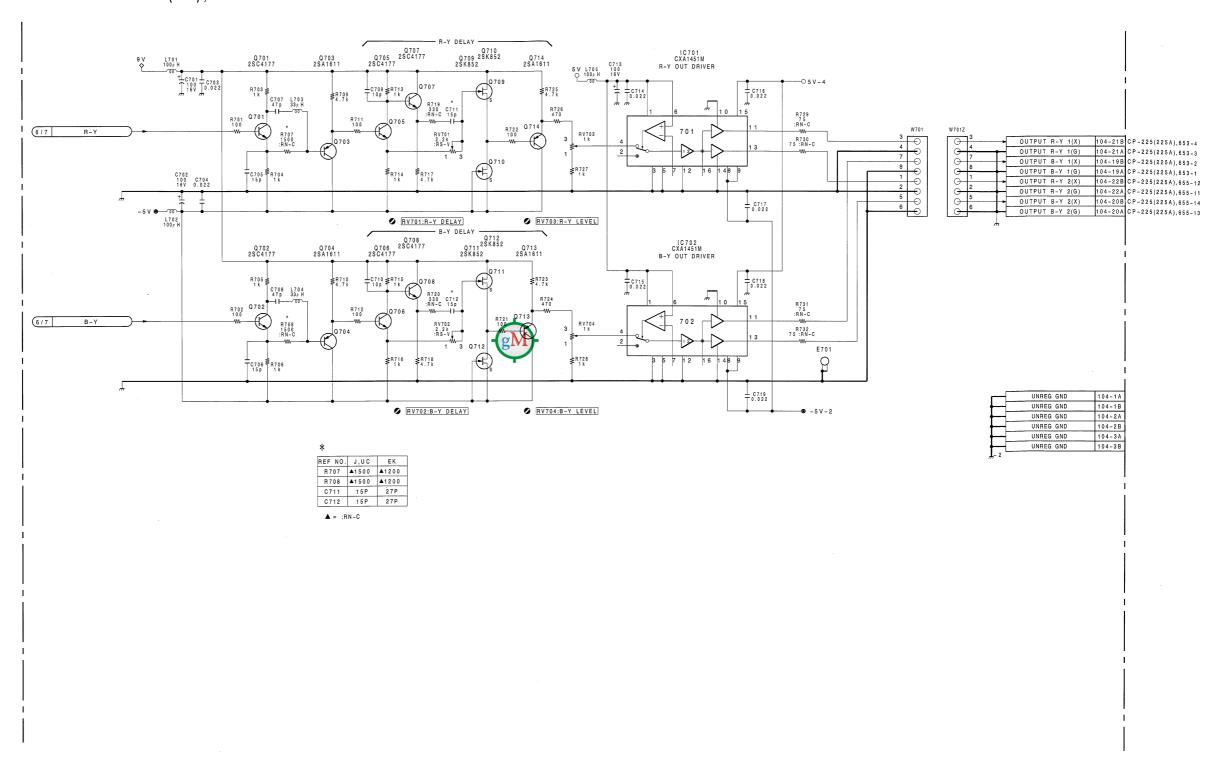
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©: UVW-1800 (1-648-899-12) ONLY

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VP-43/43A/43P/43AP(7/7);R-Y/B-Y OUT DRIVE



16-133 (b1)

16-133 (b1)

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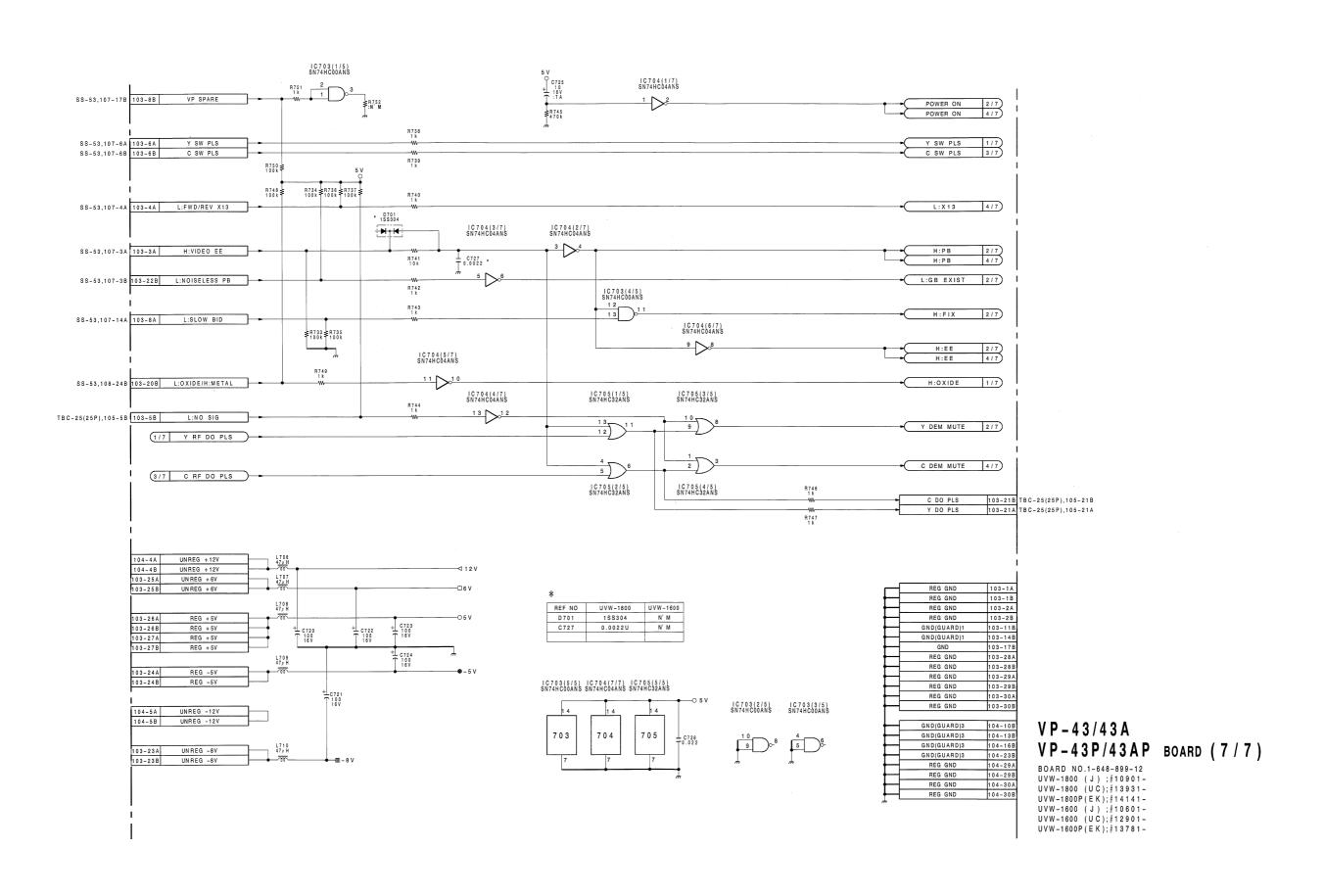
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UVW-1800/1600 UVW-1800P/1600P 16-133 (b2)

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16-133 (b2)

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*Q510
*Q511
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RV703
                             IC703
IC704
                                          R-4
R-4
R-4
                                                                   E-1
E-1
     CN104
                 C-6
R-5
     CN105
                             IC705
                                                                                RV704
                                                                                            G-1
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     DL301
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                            #Q101
                                                      *Q513
                                                                                TH201
                                                                                TH401
                                                                                            J-2
   #D201
                            #Q103
                                                     #Q515
   *D401
                            #Q104
                                                     #Q516
                                                                               TH601
                                                     Q517
#Q601
                 A-2
B-2
B-3
                                                                           ● *TH601
   *D501
                            #Q105
                                                                                            D-1
   #D502
                            #Q106
                                                     #Q602
   #D503
                                                      Q602
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Q607
Q608
                 B-4
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E-2
R-4
   #D504
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P-4
P-5
P-5
M-2
   ₩D601
                                                                                TP103
△₩D602
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                                                                                            P-3
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TP301
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P-2
P-2
N-2
N-1
N-1
                 K-5
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B-2
B-6
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#Q206
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     E401
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*Q614
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     E502
E601
                            # Q207
                            #Q208
                                                     #Q615
     E602
                            #Q209
                                                     #Q616
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                                                     #Q617
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P-1
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R-2
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*Q620
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E-2
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H-3
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K-5
H-2
J-1
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J-1
J-1
                            #Q306
                                                      #Q705
     IC303
IC401
IC402
                            #Q307
#Q308
#Q309
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E-1
F-1
                                                      #Q706
                                                     #Q707
#Q708
     IC403
                            #Q310
                                                     *Q709
                                                                   F-2
     IC404
                            #Q311
                                                      #Q710
                                                                   F-2
F-2
F-1
E-1
     IC501
     IC502
                            #Q402
                                                      #Q712
     IC503
IC504
IC505
IC506
                            * Q403 * Q404
                                                     *Q713
                                                      *Q714
                            *Q405
                            *Q406
                                                                   K-1
P-4
M-3
      IC507
                            *Q407
      IC508
                            #Q408
                                                       RV103
                                                       RV201
RV301
RV302
      IC509
                            #Q409
                                           J-2
J-1
J-2
K-2
K-2
K-2
J-2
H-2
     IC510
IC511
IC512
                            #Q410
                                                                   J-1
H-1
                            #Q411
                                                       RV303
                            #Q412
                            *Q413
*Q414
     IC601
                                                       RV401
                                                        RV501
                                                                   A-4
     IC603
IC604
IC605
IC606
                            ★Q415
★Q416
                                                                   A-4
B-4
B-4
B-4
                                                       RV502
                                                       RV503
RV504
RV505
                            #0417
                            #Q418
     IC607
                             #Q501
                                                       RV506
      IC608
                              Q502
                                                       RV601
      IC609
                              Q503
                                                        RV602
                                           A-1
A-5
      IC610
                              Q504
                                                        RV603
                                                                   D-1
                            *Q505
                                                                   D-1
     IC611
                                                       RV604
     IC612
                             #Q506
                                                        RV605
                                                                   C-1
     IC701
                              Q507
                                                       RV606
```

# : B SIDE : UVW-1800/1800P ONLY

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N: UVW-1800/1600 ONLY

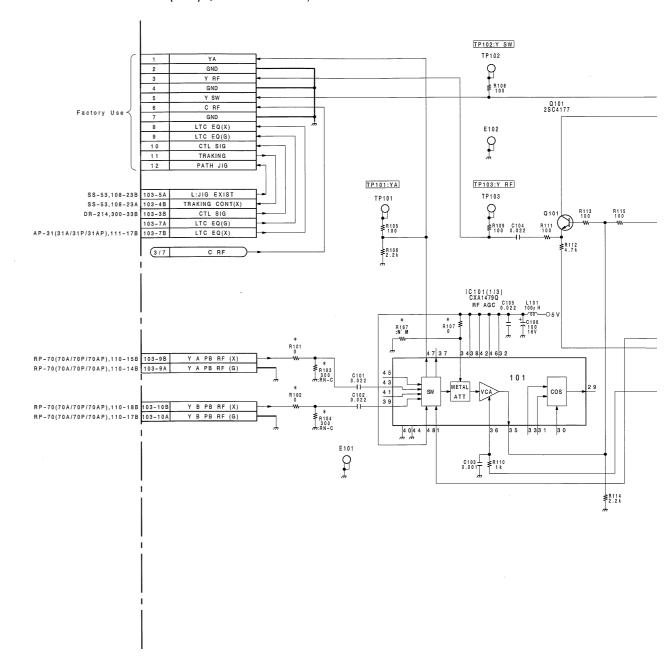
△: 1-648-899-11 ONLY

©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

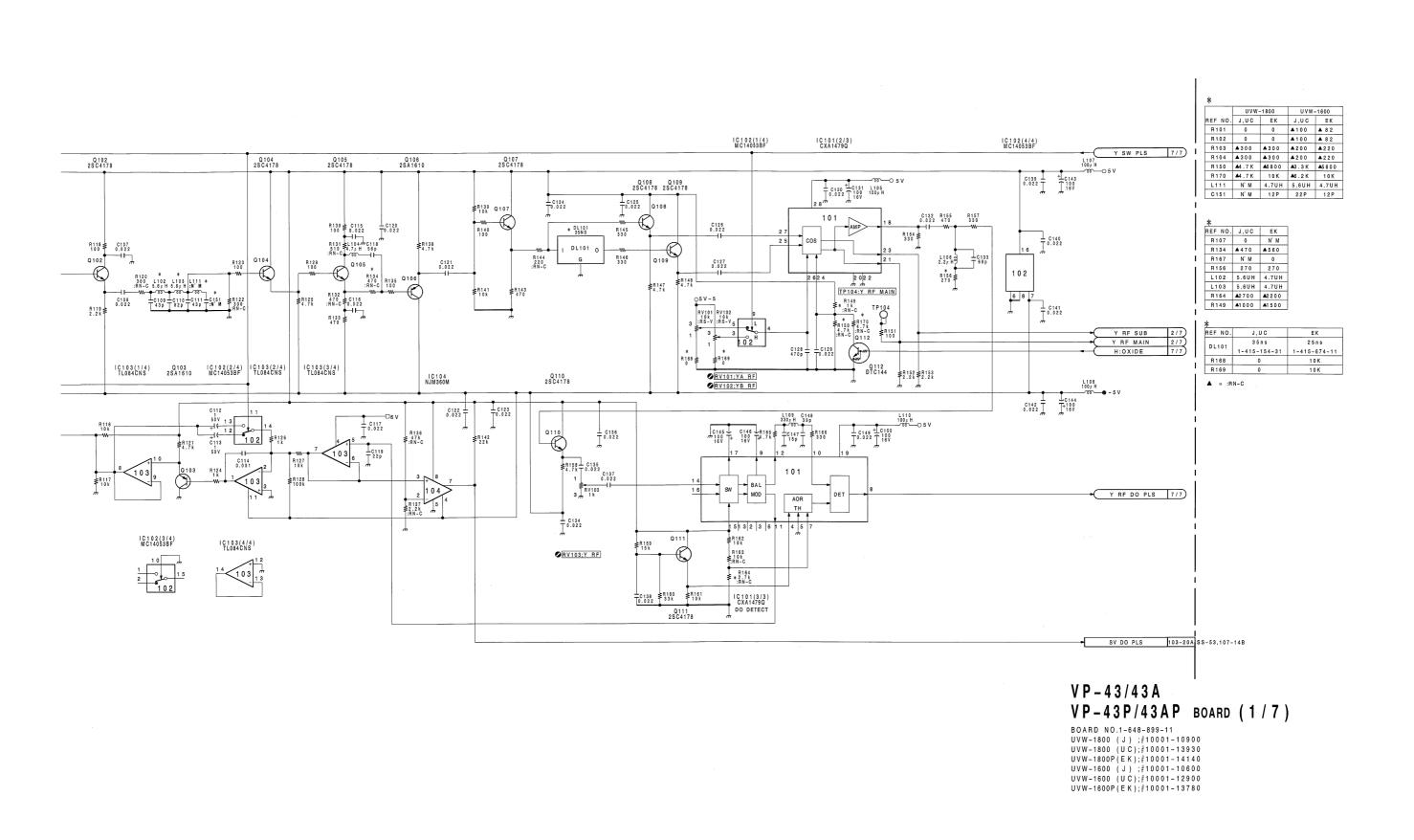
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UVW-1800 (J); Serial No.10001 through 10900
UVW-1800 (UC); Serial No.10001 through 13930
UVW-1800P(EK); Serial No.10001
                                             through 14140
UVW-1600 (J); Serial No.10001 through 10600
UVW-1600 (UC); Serial No.10001 through 12900
UVW-1600P(EK); Serial No.10001 through 13780
```

VP-43/43A/43P/43AP(1/7); Y RF AGC/EQ,Y DO DET.



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16-109 (a2)

J K L

UVW-1800/1600

UVW-1800P/1600P

)

16-109 (a2)

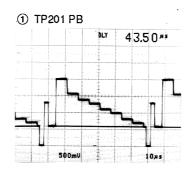
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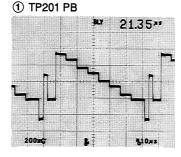
Р

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VP-43/43A(1-648-899-11, 12)
                              IC702
                                                      Q508
                                                                               RV701
                             IC703
                                                     #Q509
                                                                               RV702
                                                                                           E-1
                                                                  IC704
IC705
                                          R-4
R-4
    CN105
                R-5
                                                     #Q510
                                                                               RV703
                                                                                           Ē-1
                                                     *Q511
                                                                               RV704
                                                                                           G-1
    DL101
                                                     #Q512
    DL301
                           #O101
                                         N-5
                J-4
                                                     #Q513
                                                                               TH201
                                                                                           P-2
                           #Q102
                                         N-4
                                                      Q514
                                                                              TH401
                                                                                           J-2
   #D201
                                         N-5
                           #Q103
                                                     #Q515
                J-2
A-2
B-2
B-3
B-4
D-2
   #D401
                                                     #Q516
                           #Q104
                                                                              TH601
                                                                                           D-2
   #D501
                           #Q105
                                                      Q517
                                                                          ● *TH601
                                                                                           D-1
                                                    #Q601
#Q602
Q603
Q604
   *D502
                           #Q106
                                         N-3
                                         N-3
N-4
N-4
   #D503
                           #Q107
  *D504
                           #O108
                                                                              TP102
TP103
                                                                                           P-1
L-1
P-3
  #D601
                           #Q109
                E-2
R-4
△*D602
                                                      Q605
                           #Q110
                                         P-4
P-5
P-5
M-2
N-1
P-2
N-2
P-2
P-2
                                                                               TP104
  ₩<u>D701</u>
                           #Q111
                                                      Q606
                                                                               TP201
                                                      Q607
Q608
Q609
Q610
                           #Q112
                                                                                           H-1
    E101
                P-6
N-1
R-5
G-2
B-2
B-6
E-4
D-1
F-2
                           #Q201
                                                                                           J-3
L-1
    E102
                           #Q202
                                                                               TP401
    E201
                           #Q203
    E301
                                                      Q611
                           #Q204
     E401
                           #Q205
                                                      Q612
                           #Q206
                                                     #Q613
                                         N-2
N-1
N-1
N-1
P-2
    E502
                           #Q207
                                                    #Q614
    E601
E602
                                                    #Q615
#Q616
#Q617
                           #Q208
                           #Q209
    E701
                           # Q210
                           #Q211
                                                    #Q618
    FL201
                           #Q212
                                                    #Q619
    FL401
                H-1
E-2
                                         R-2
R-2
P-1
N-2
M-2
M-2
M-2
M-2
                                                    #Q620
                           *Q214
*Q215
    FL601
                                                    #Q621
                                                    *Q622
*Q623
*Q624
    IC101
                           #Q216
    IC102
                M-5
                           #Q217
    IC103
                N-5
                           #Q218
                                                    #Q625
                L-5
L-3
M-2
M-1
P-1
L-2
K-4
G-5
H-5
                           #Q219
                                                    #Q626
                                                                  D-4
                                                                  D-1
D-1
    IC201
                           #Q220
                                                    #Q627
    IC202
IC203
IC204
IC205
                                         J-4
J-4
H-4
H-5
H-4
H-3
                           #Q301
                                                    #Q628
                                                                  E-2
F-2
E-2
F-2
F-2
F-2
                           #Q302
                                                    #Q701
                           #Q303
                                                    #Q702
                                                    #Q703
#Q704
                           #Q304
     IC301
                           # O305
     IC302
                           #Q306
                                                    #Q705
                           #Q307
                                         J-3
                                                    #Q706
     IC401
                           #Q308
                                        J-4
J-4
K-3
K-5
H-2
J-1
J-1
                                                    #Q707
                                                                  E-1
                H-1
K-1
G-2
A-5
A-2
    IC402
IC403
IC404
IC501
                           #Q309
                                                    #Q708
                           #Q310
                                                    #Q709
                                                                  F-2
                           #Q311
#Q401
                                                                  F-1
F-2
F-2
                                                    *Q710 *Q711
     IC502
                           #Q402
                                                    #Q712
                #Q403
                                                    #Q713
     IC504
                           #Q404
                                                    *Q714
     IC505
                           #Q405
                                         J-1
    IC506
IC507
                                         J-1
J-1
J-1
J-2
                           #Q406
                                                      RV101
                                                      RV102
RV103
                           # Q407
     IC508
                           #Q408
     IC509
                           #Q409
                                                      RV201
                                                                  M-3
     IC510
                                                      RV301
                                         J-1
J-2
K-2
K-2
K-2
J-2
H-2
    IC511
IC512
IC601
                           #Q411
                                                      RV302
                           *Q412
*Q413
*Q414
                                                      RV303
RV401
RV501
                                                                  K-4
H-3
A-4
     IC602
     IC603
                                                      RV502
                                                                  A-4
B-4
B-4
B-4
D-1
                           ★Q416
                                                      RV503
     IC605
                                                      RV504
     IC606
                           #Q418
                                                      RV505
                           #Q501
Q502
Q503
    IC607
IC608
                                          A-1
A-1
A-1
                                                      RV506
RV601
RV602
                E-2
D-2
     IC609
    IC610
                             Q504
                                                      RV603
                                                                  D-1
     IC611
                D-2
                           #Q505
                                         A-5
                                                      RV604
                                                                  D-1
     IC612
                           #Q506
                                                      RV605
    IC701
                             Q507
                                                      RV606
```

#### For J,UC

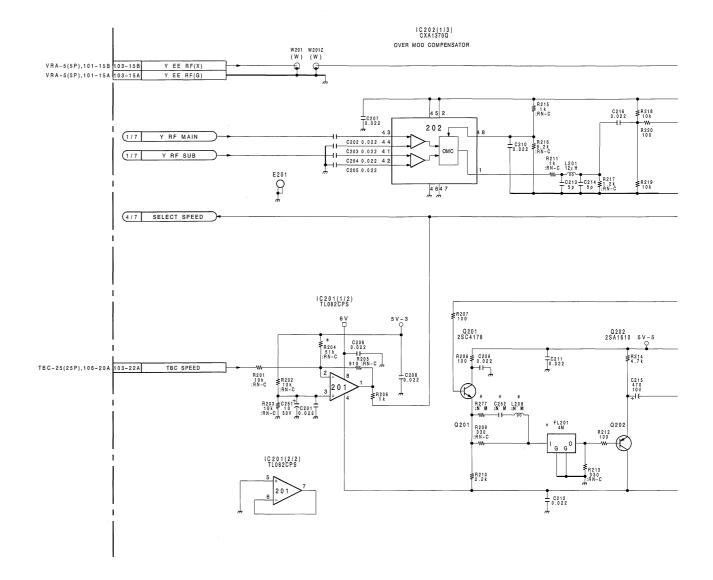


#### For EK



```
UVW-1800 (J); Serial No.10001 through 10900
UVW-1800 (UC); Serial No.10001 through 13930
UVW-1800P(EK); Serial
                               No.10001
                                              through
UVW-1600 (J); Serial No.10001 through UVW-1600 (UC); Serial No.10001 through
                                                          10600
UVW-1600P(EK); Serial No.10001 through 13780
```

VP-43/43A/43P/43AP(2/7); Y OMC, Y DEM, Y NL DE-EMPH.



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# : B SIDE

UVW-1800/1800P ONLY N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY

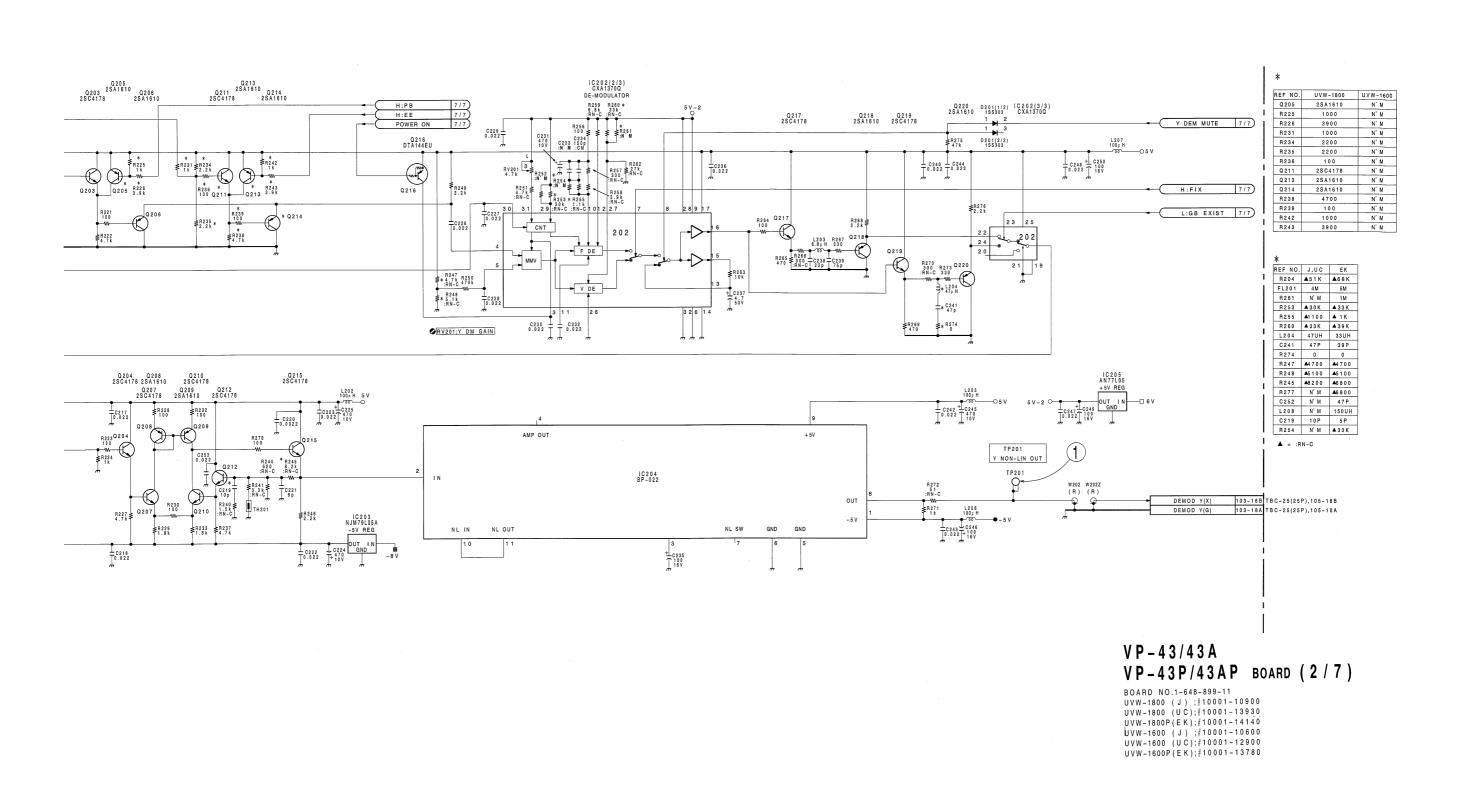
©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

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UVW-1800/1600 UVW-1800P/1600P 16-113 (a2)

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16-113 (a2)

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16-116 (a)

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VP-43/43A(1-648-899-11, 12)
                                                                                      RV701
                 C-6
R-5
                               IC703
IC704
                                             R-4
R-4
R-4
                                                                                                  E-1
E-1
G-1
    CN104
                                                         #Q509
                                                                                      RV702
                                                                       RV703
RV704
    CN105
                                                         *Q510
                                IC705
                                                         *Q511
                                                         #Q512
    DL101
    DL301
                 J-4
                                                         #Q513
                                                                                      TH201
                                                          Q514
                                                                                      TH401
                                                                                                  J-2
                              *Q102
   #D201
                             #Q103
                                                         #Q515
                  J-2
A-2
B-2
B-3
B-4
                                             N-4
N-4
N-3
N-3
   #D401
                             #Q104
                                                         #Q516
                                                                                TH601
                            *Q105
*Q106
                                                        Q517
#Q601
#Q602
   *D501
                                                                                                  D-1
                                                                                ● # TH601
   ₩D502
                             #Q107
   #D503
                                                                                      TP101
                                                                                                   L-2
                                            N-4
P-4
P-5
P-5
M-2
   #D504
                             #Q108
                                                          Q603
                                                                                      TP102
                 D-2
E-2
R-4
                                                          Q604
Q605
Q606
Q607
Q608
                                                                                                   L-1
P-3
  *D601
                             #Q109
                                                                                      TP103
△*D602
                             #Q110
                                                                                      TP104
                                                                                                  P-1
H-1
J-3
L-1
  ₩D701
                             #Q111
                                                                                      TP201
                                                                                      TP301
TP302
                              #Q112
                             #Q201
                                             N-1
P-2
                                                          Q609
Q610
     E102
                              #Q202
                  N-1
R-5
G-2
B-6
E-4
D-1
F-2
     E201
E301
                              *Q203
                                             N-2
P-2
P-2
N-2
N-1
N-1
                             #Q204
                                                          Q611
                                                        Q612
*Q613
                              #Q205
                             # Q206
     E501
     E502
E601
                                                        #Q614
#Q615
                             #Q207
#Q208
     E602
                              #Q209
                                                         #Q616
                              #Q210
                                             N-1
                                                         #Q617
                             *Q211
*Q212
                                                         #Q618
     FL201
                  M-1
                                                         *Q619
                             *Q213
*Q214
*Q215
                                                        *Q620
*Q621
    FL401
FL601
                                             R-2
R-2
P-1
                  H-1
E-2
                                                         #Q622
     IC101
                              #Q216
                                             N-2
                                                         *Q623
     IC102
                                                         #Q624
                                            M-2
M-2
M-2
J-4
J-4
                  N-5
                             #Q218
                                                         *Q625
                 L-5
L-3
M-2
M-1
                                                        #Q626
#Q627
#Q628
     IC104
                              #Q219
     IC201
IC202
IC203
                             #Q220
#Q301
                              #Q302
                                                         #Q701
     IC204
                  P-1
                              #Q303
                                             H-4
                                                         #Q702
     IC205
                  L-2
                              #Q304
                                             H-5
                                                         #Q703
     IC301
                  KGHHHKGAAABBABCBBJG
                                             H-4
                                                         #Q704
                              #Q306
                                             H-3
J-3
J-4
J-4
K-3
K-5
H-2
                                                         #Q705
     IC303
IC401
IC402
IC403
                              #Q307
                                                         #Q706
                             *Q308
*Q309
                                                        #Q707
#Q708
                                                         *Q709
                              #Q310
     IC404
                              #Q311
                                                         *Q710
     IC501
IC502
                              # Q401
                                                         #Q71.1
                              #Q402
                                             J-1
J-1
J-1
J-1
J-2
J-2
K-2
H-2
H-1
A-1
                                                         #Q712
     IC503
IC504
IC505
IC506
                              *Q403
                                                         #Q713
                              *Q404
*Q405
                                                         #Q714
                              #Q406
                                                          RV101
                                                                       L-1
K-1
P-4
M-3
J-1
H-1
K-4
H-3
A-4
B-4
B-4
B-4
B-4
F-1
                                                          RV102
RV103
     IC507
                              #Q407
     IC508
IC509
IC510
IC511
                                                          RV201
RV301
RV302
                              #Q409
                              #Q410
                              #Q411
                              *Q412
*Q413
     IC512
                                                           RV303
     IC601
IC602
IC603
IC604
IC605
IC606
                  D-4
D-4
F-4
F-3
F-3
E-3
F-3
                                                           RV401
                              ₩ Q414
                                                           RV501
                              #Q415
                                                           RV502
                              ★Q416
                                                           RV503
RV504
RV505
                              #Q417
                              #Q418
                              #Q501
                                                            RV506
                  D-2
E-2
D-2
D-2
C-2
F-1
     IC608
                                                            RV601
                                             A-1
A-5
A-4
B-1
                                                                        D-1
     IC610
                                Q504
                                                           RV603
                                                                        D-1
F-1
C-1
     IC611
                              #Q505
                                                           RV604
     IC612
                              #Q506
                                                           RV605
     IC701
                                                           RV606
```

# : B SIDE

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\_: UVW-1800/1800P ONLY

N: UVW-1800/1600 ONLY

△: 1-648-899-11 ONLY

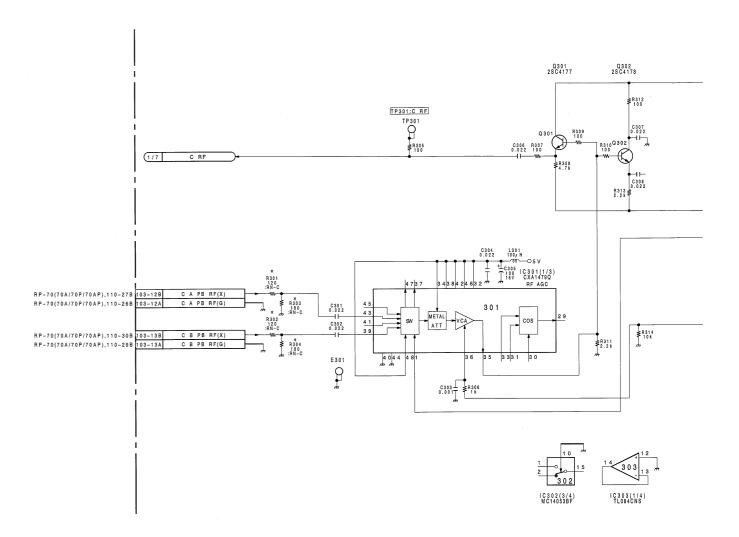
©: UVW-1800 (1-648-899-12) ONLY

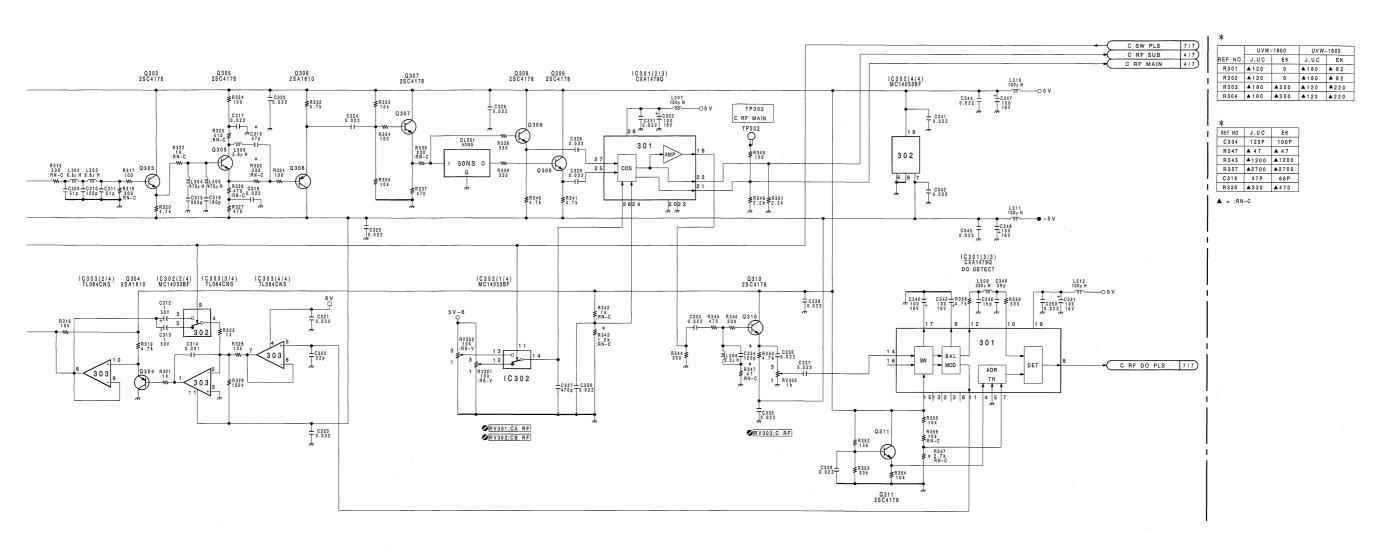
●: UVW-1800 (1-648-899-12) ONLY ●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

В

```
UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780
```

VP-43/43A/43P/43AP(3/7); C RF AGC/EQ, C DO DET.





VP-43/43A VP-43P/43AP BOARD (3/7)

BOARD NO.1-648-899-11 UVW-1800 (J);#10001-10900 UVW-1800 (UC);#10001-13930 UVW-1800P(EK);#10001-14140 UVW-1600 (UC);#10001-12900 UVW-1600P(EK);#10001-13780

UVW-1800/1600 UVW-1800P/1600P 16-117 (a2)

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16-117 (a2)

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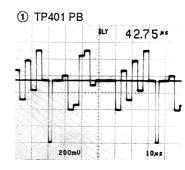
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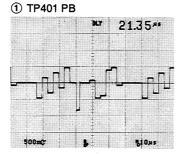
Ρ

```
VP-43/43A(1-648-899-11, 12)
     CN103
                                                     Q508
                                                                             RV701
                                        R-4
R-4
R-4
     CN104
                             IC703
                                                   #Q509
                                                                             RV702
                                                                IC704
IC705
                                                   #Q510
#Q511
#Q512
     CN105
                R-5
                                                                             RV703
                                                                                        E-1
G-1
                                                                             RV704
     DL101
                           #Q101
    DL301
                J-4
                                                   #Q513
                                                                             TH201
                                                                                        P-2
                           #Q102
                                                     Q514
                                                                                        J-2
                                                                             TH401
   #D201
                           #Q103
                                                   #Q515
   #D401
                           #Q104
                                                   #Q516
                                                                             TH601
                J-2
A-2
B-3
B-4
D-2
E-2
R-4
                                        N-4
N-3
N-3
   #D501
                                                     Q517
                          *Q105
                                                                         ● *TH601
                                                                                        D-1
                                                   #Q601
#Q602
   *D502
                          #Q106
   #D503
                          #Q107
   *D504
                           #Q108
                                         N-4
                                                     Q603
                                                                             TP102
   #D601
                           #Q109
                                                     Q604
                                                                                        L-1
                                        P-4
P-5
P-5
M-2
                                                     Q605
Q606
Q607
Q608
Q609
△#D602
                          #Q110
                                                                                        P-1
H-1
   #D701
                          #Q111
                                                                             TP201
                           #Q112
                                                                             TP301
                P-6
    E101
                           # O201
                                                                             TP302
                                                                                        J-3
L-1
                                         N-1
P-2
                N-1
    E102
                           #Q202
                                                                             TP401
     E201
                           *Q203
                                                     Q610
                K-5
G-2
B-2
B-6
E-4
D-1
F-2
     E301
                           #Q204
                                         N-2
                                        P-2
P-2
N-2
N-1
N-1
                          # Q205
# Q206
     E401
                                                     Q612
                                                   #Q613
#Q614
#Q615
     E501
    E502
E601
                          #Q207
#Q208
     E602
                                                   #Q616
                          #Q209
                          #Q210
                                         N-1
                                                   #Q617
                                                   #Q618
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                                                   *Q619
                H-1
E-2
     FL401
                          #Q213
#Q214
                                         R-2
R-2
                                                   #Q620
#Q621
     FL601
                           ★ Q215
                                                   *Q622
                           #Q216
                                         N-2
                                                   #Q623
     IC102
                           ₩Q217
                                                   #Q624
                                                                D-1
E-4
D-1
D-1
E-2
F-2
E-2
F-2
F-1
F-1
                N-5
L-5
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                           #Q218
                                         M-2
M-2
                                                   *Q625
                                                   *Q626
*Q627
*Q628
     IC104
                           #Q219
                L-3
M-2
M-1
P-1
L-2
    IC201
IC202
                                         M-2
J-4
J-4
                           *Q220
                           #Q301
     IC203
                           #Q302
                                                   *Q701
     IC204
                           #Q303
                                         H-4
                                                   #Q702
     IC205
                           #Q304
                                         H-5
                                                   #Q703
     IC301
                 K-4
G-5
                           #Q305
                                                   *Q704
                                         H-4
H-3
J-3
J-4
J-4
K-3
K-5
H-2
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                                                   #Q705
    IC303
IC401
IC402
IC403
                #Q307
                                                   #Q706
                                                   *Q707
*Q708
*Q709
                           #Q308
                           #Q309
                           #Q310
     IC404
                                                   #Q710
                                                                 F-1
F-2
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     IC501
                                                   #Q711
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                                                                 F-2
F-1
E-1
     IC502
                           #Q402
                                                   #Q712
     IC503
IC504
IC505
IC506
                                         J-1
J-2
J-1
J-1
                           #Q403
                                                   #Q713
                           ₩Q404
                                                   ₩Q714
                           # Q405
                           # Q406
                                                     RV101
                                                                L-1
     IC507
                           #Q407
                                                     RV102
                                                                 K-1
P-4
M-3
                                                     RV103
     IC509
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                                         J-2
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     IC510
IC511
IC512
                                                     RV301
RV302
RV303
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H-1
K-4
H-3
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J-2
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H-2
H-2
A-1
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     IC601
                                                     RV401
                                                                A-4
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D-1
F-1
D-1
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     IC603
IC604
                           ₩Q415
                                                     RV502
                                                     RV503
RV504
RV505
                           ₩Q416
     IC605
IC606
                           ₩0417
                           #Q418
     IC607
                                                     RV506
                           #Q501
     IC608
                             Q502
                                                     RV601
      IC609
                                         A-1
                                                     RV602
                                         A-1
A-5
A-4
B-1
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                 D-2
                             Q504
                                                     RV603
                           #Q505
                                                                D-1
     IC611
                D-2
                                                     RV604
                C-2
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For J,UC

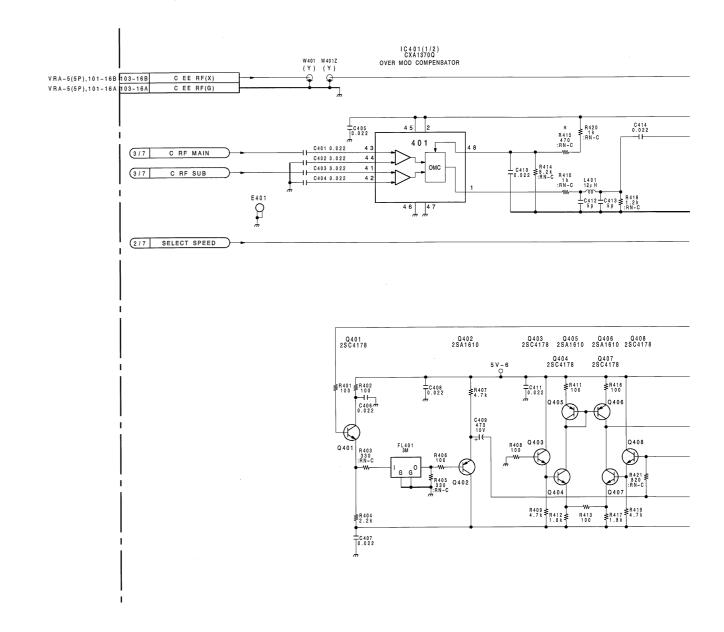


For EK





VP-43/43A/43P/43AP(4/7); C OMC, C DEM, C NL DE-EMPH.



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UVW-1800/1800P ONLY N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY

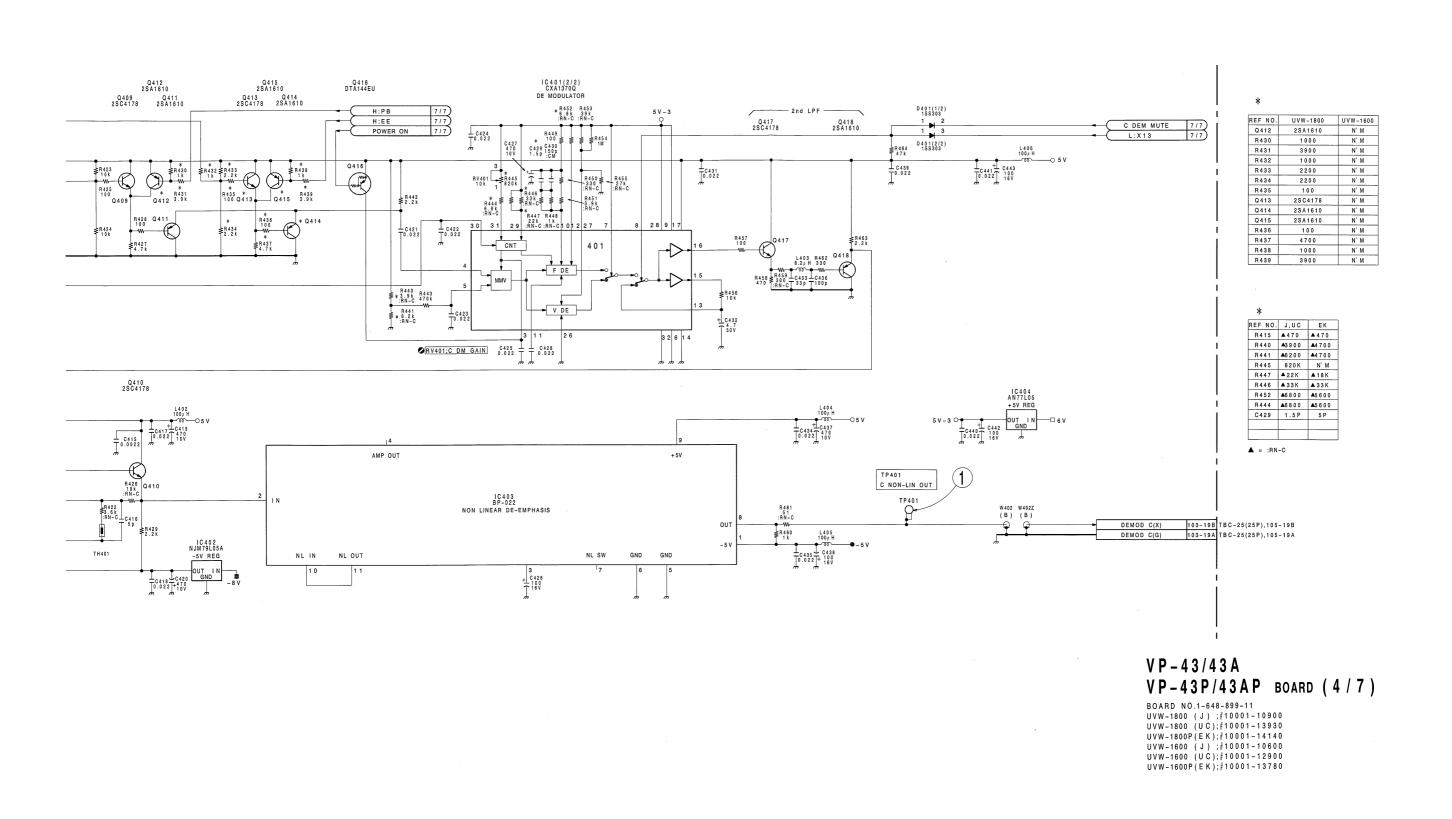
©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

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UVW-1800/1600 UVW-1800P/1600P I J K I L

16-121 (a2)

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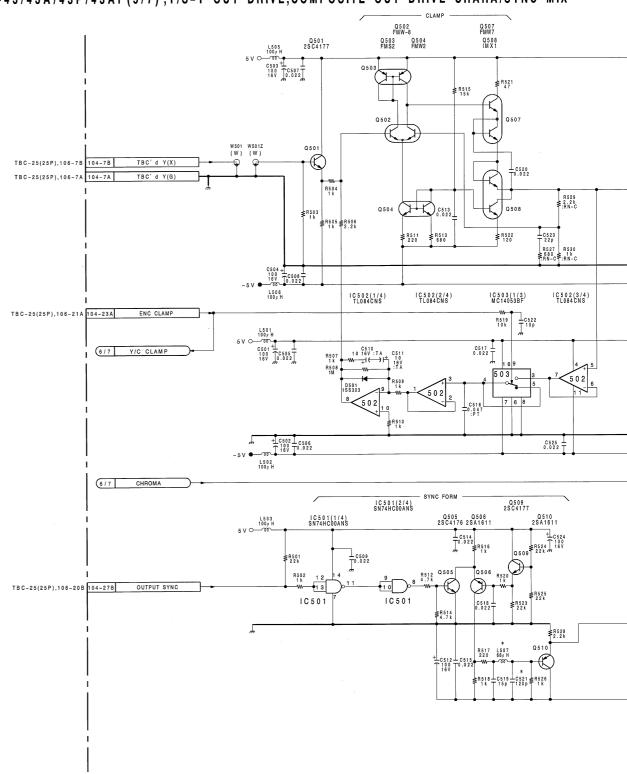
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IC704
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                                                                     RV702
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                                                          *Q510
*Q511
    CN105
                                    R-4
R-4
                                                                     RV703
                          IC705
                                                                                G-1
                                                                     RV704
    DL101
                                              #Q512
    DL301
                        #Q101
              J-4
                                              *Q513
                                                                     TH201
                                                                                P-2
                        #Q102
                                               Q514
                                                                     TH401
                                                                                J-2
  #D201
                        #Q103
                                              #Q515
              J-2
A-2
B-2
B-3
  *D401
                        #Q104
                                              *Q516
                                                                     TH601
  #D501
                                              Q517
*Q601
                        #Q105
                                    N-4
N-3
                                                                 ● # TH601
                                                                                D-1
  *D502
                        # Q106
  #D503
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                                                Q603
              D-2
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                                                Q604
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P-5
P-5
△*D602
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                                                Q605
                                                                     TP104
                                                                                P-3
                                               Q606
Q607
Q608
  *D701
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                                                                     TP201
                                                                                P-1
                        # Q112
                                                                     TP301
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J-3
               P-6
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                                                                      TP302
    E102
              N-1
                                                Q609
                                                                                L-1
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                        #Q203
    E301
                        #Q204
              G-2
B-2
B-6
                        *Q205
*Q206
                                    P-2
P-2
    E401
                                                Q612
    E501
                                              *Q613 *Q614
    F502
                        # Q207
                                    N-2
N-1
               E-4
                                              #Q615
    E601
                        #Q208
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    E701
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                        #Q210
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    FL201
                        ₩ Q212
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    FI 401
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E-2
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*Q214
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R-2
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D-1
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                                              #Q624
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M-2
M-2
    IC103
               N-5
                        *Q218
                                              #Q625
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L-3
M-2
    IC104
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#Q220
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#Q627
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    IC202
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H-1
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J-4
J-4
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                                              #Q706
                        #Q308
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                        #Q309
                                              #Q708
    IC403
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                        #Q310
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F-1
E-1
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C-4
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IC504
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IC510
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                        ★ Q410
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                                                RV302
                                                          H-1
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                                                RV401
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J-2
H-2
H-2
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                                                RV502
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B-4
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                        ★Q416
                        ₩0417
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                        #Q418
     IC607
                        #Q501
                                                RV506
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                          Q504
                                                RV603
                                                          D-1
               D-2
                        #Q505
    IC611
                                     A-5
                                                RV604
                                                          D-1
              C-2
F-1
                        #Q506
Q507
    IC612
                                     A-4
B-1
                                                          F-1
C-1
                                                RV605
    IC701
                                                RV606
# : B SIDE
   : UVW-1800/1800P ONLY
N: UVW-1800/1600 ONLY
△: 1-648-899-11 ONLY
```

UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780

VP-43/43A/43P/43AP(5/7);Y/S-Y OUT DRIVE,COMPOSITE OUT DRIVE CHARA/SYNC MIX



16-124 (a) 16-125 (a1)

UVW-1800/1600 UVW-1800P/1600P

©: UVW-1800 (1-648-899-12) ONLY

●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

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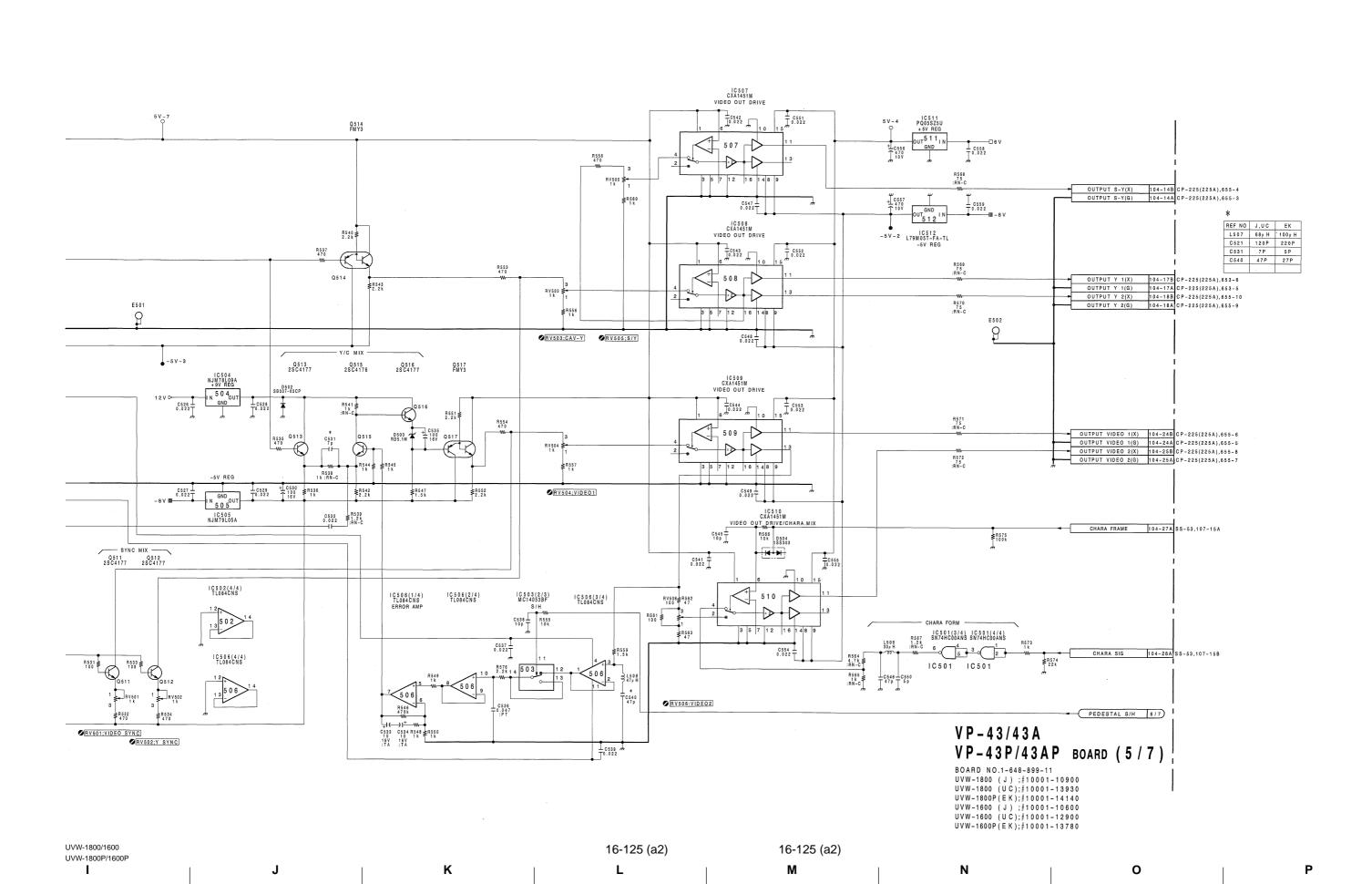
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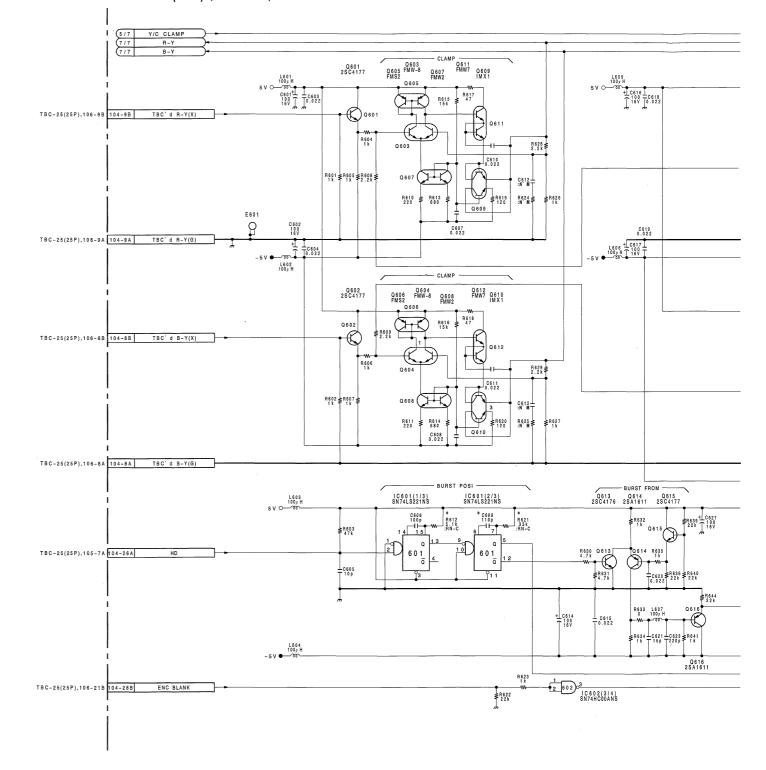
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IC704
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*Q510
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A-4
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          CN104
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                                                                                                                                                                RV703
          CN105
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                                                                                                          #Q511
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B-3
F-5-5
F-5-
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                                                                                                           #Q513
                                                                                                                                                                TH201
         DL301
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                                                                                                                                                                                        J-2
                                                         #Q102
                                                                                                              Q514
      #D201
                                                        #Q103
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                                                                                                          #Q515
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A-2
B-2
B-3
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                                                        #Q104
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                                                                                    N-4
                                                                                    N-3
                                                                                                           #Q601
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                                                       #Q106
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                                                        #Q107
                                                        #Q108
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R-4
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* Q206
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#Q614
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E502
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                                                         # Q405
            IC506
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                                                                                                               RV101
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M-3
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            IC509
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           IC510
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                                                         #Q411
                                    G-6
                                                                                                               RV303
            IC512
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            IC601
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                                    D-4
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*Q415
*Q416
            IC602
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           IC603
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                                                         ¥ O417
                                                          *Q418
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            IC607
                                                          #Q501
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            IC608
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                                                                                                                RV602
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A-5
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B-1
           IC610
                                                             Q504
                                                                                                                RV603
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C-2
                                                                                                               RV604
           IC611
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                                                         # Q506
Q507
                                                                                                                RV605
            IC612
                                                                                                                RV606
           IC701
   # : B SIDE
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UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 through 13930 UVW-1800P(EK); Serial No.10001 through UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 No.10001 through 10600 UVW-1600P(EK); Serial No.10001 through 13780

VP-43/43A/43P/43AP(6/7); ENCODE, S-C OUT DRIVE



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UVW-1800/1800P ONLY

©: UVW-1800 (1-648-899-12) ONLY

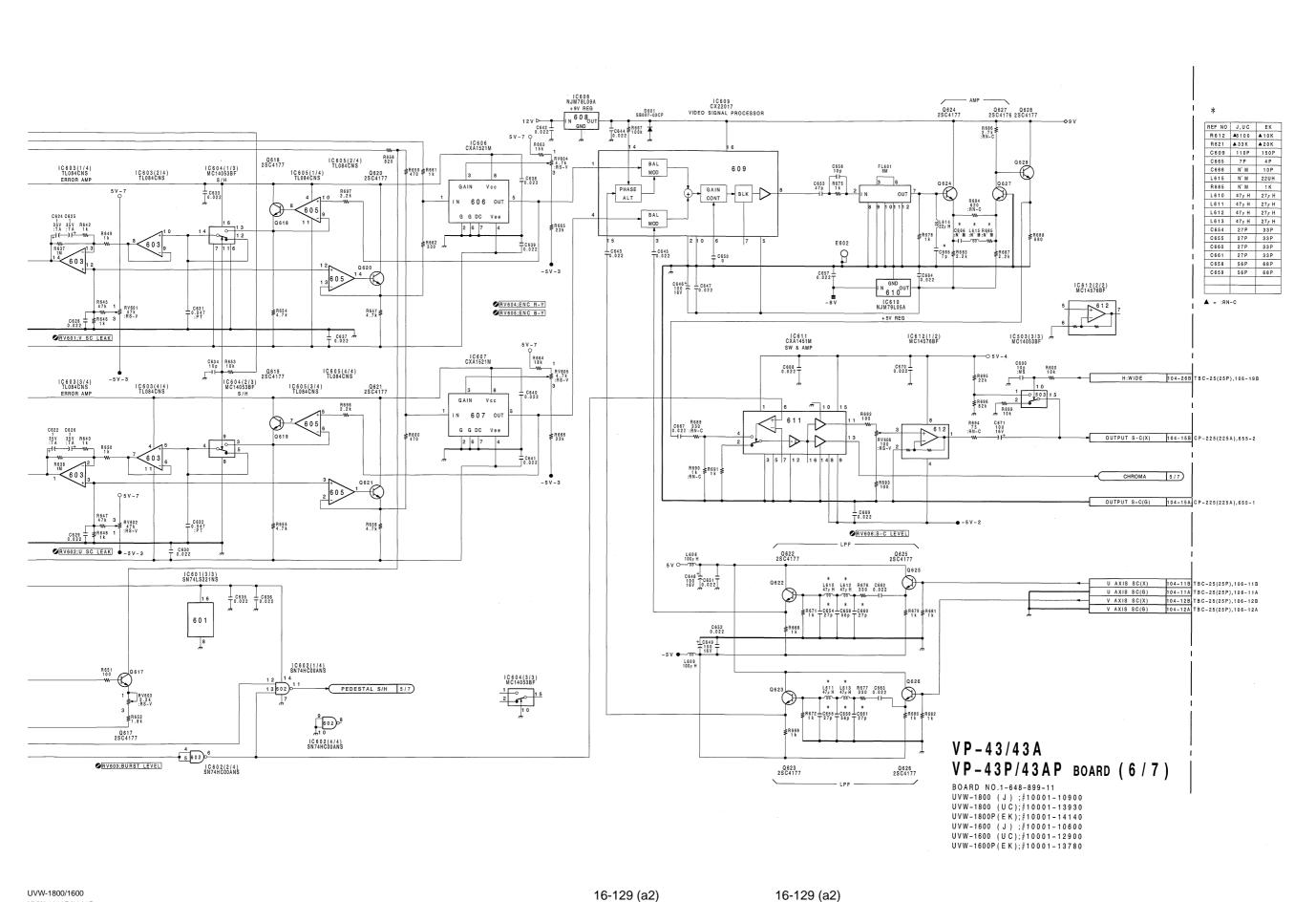
●: UVW-1800P/1600/1600P (1-648-899-12) ONLY

N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY

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UVW-1800P/1600P

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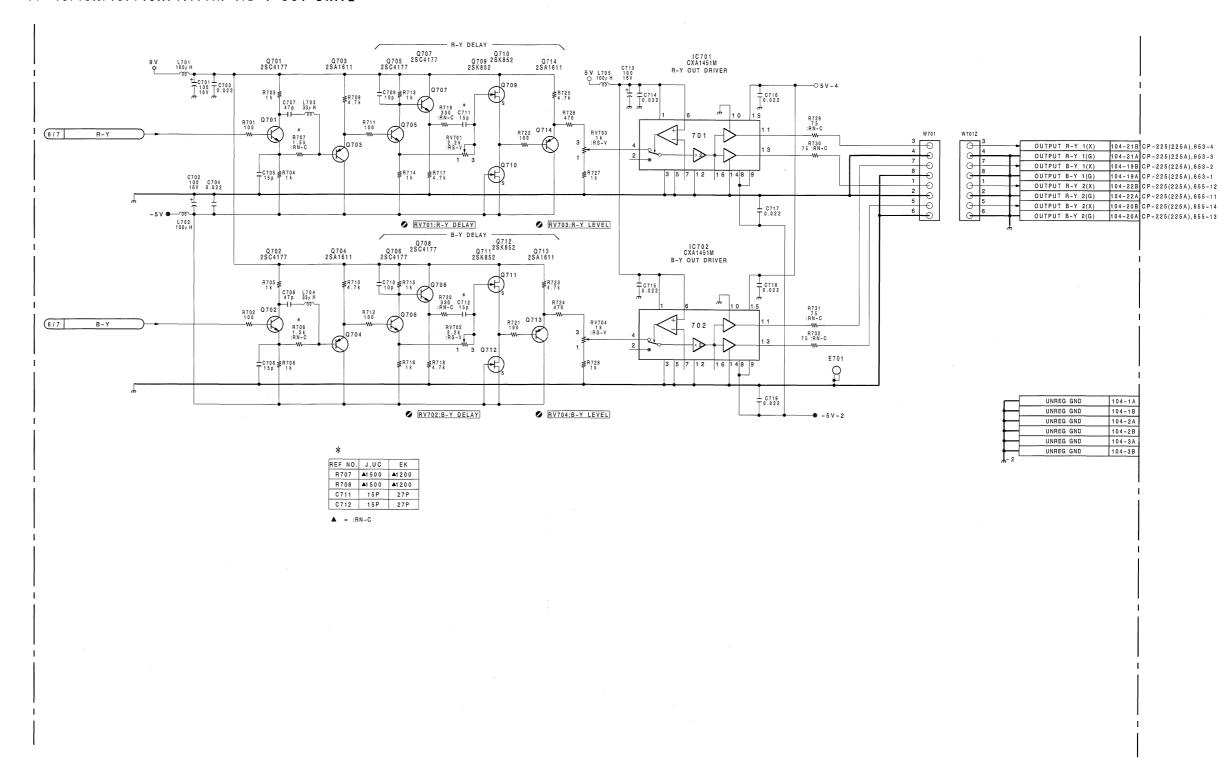
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VP-43/43A(1-	648-899	-11, 12)					
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DL101 DL301	N-4 J-4	<b>*</b> Q101 <b>*</b> Q102	N-5 N-4	<b>*</b> Q512 <b>*</b> Q513 Q514	A-4 B-2 B-3	TH201 TH401	P-2 J-2
*D201 *D401 *D501 *D502 *D503 *D504 *D601 △ *D602 *D701	N-2 J-2 A-2 B-2 B-3 B-4 D-2 E-2 R-4	#Q103 #Q104 #Q105 #Q106 #Q107 #Q108 #Q109 #Q110 #Q111 #Q112	N-5 N-4 N-4 N-3 N-3 N-4 N-4 P-4 P-5 P-5	#Q515 #Q516 Q517 #Q601 #Q602 Q603 Q604 Q605 Q606 Q607	B-2 B-3 F-5 F-5 F-5 F-5 F-5	○ TH601 ● *TH601 TP101 TP102 TP103 TP104 TP201 TP201 TP301	D-2 D-1 L-2 P-1 L-1 P-3 P-1 H-1
E101 E102 E201 E301 E401 E501 E502 E601 E602 E701	P-6 N-1 R-1 K-5 G-2 B-2 B-6 E-4 D-1 F-2	*Q201 *Q202 *Q203 *Q204 *Q205 *Q206 *Q207 *Q208 *Q209 *Q210 *Q211	M-2 N-1 P-2 N-2 P-2 N-2 N-1 N-1 N-1 P-2	Q608 Q609 Q610 Q611 Q612 *Q613 *Q614 *Q615 *Q616 *Q617 *Q618	F-5 E-4 F-5 F-5 D-3 D-3 C-3 F-2	TP302 TP401	J-3 L-1
FL201 FL401 FL601	M-1 H-1 E-2	#Q212 #Q213 #Q214	P-1 R-2 R-2 P-1	#Q619 #Q620 #Q621 #Q622	F-2 F-3 F-3		
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC204 IC205 IC301 IC302 IC303 IC401 IC402 IC403 IC404 IC501 IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC509 IC510 IC511 IC512 IC601 IC602 IC603 IC604 IC605 IC606 IC607 IC608 IC607 IC608	P.4-5-5-3-2-1-1-2-5-2-2-2-2-3-5-4-5-4-6-6-4-4-3-3-3-2-2-2-2-2-3-5-4-5-4-6-6-4-4-3-3-3-2-2-2-2-2-2-3-5-4-5-4-6-6-4-4-3-3-3-2-2-2-2-2-2-2-3-5-4-5-4-6-6-4-4-3-3-3-3-2-2-2-2-2-2-2-2-2-2-2-2-2-2	#Q215 #Q216 #Q217 #Q218 #Q219 #Q220 #Q301 #Q302 #Q303 #Q304 #Q305 #Q306 #Q307 #Q308 #Q309 #Q310 #Q401 #Q402 #Q403 #Q404 #Q405 #Q407 #Q408 #Q407 #Q411 #Q412 #Q413 #Q414 #Q415 #Q418 #Q501 Q502 Q503	P.1 2 2 2 2 2 4 4 4 5 4 4 3 3 4 4 3 5 2 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 1 1 1 1 1 2 1 2 1 2 2 2 2 2 2 2 1 1 1 1 1 2 1 2 1 2 2 2 2 2 2 2 1 1 1 1 1 2 1 2 1 2 2 2 2 2 2 2 2 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 1 2	#Q622 #Q623 #Q624 #Q625 #Q626 #Q626 #Q627 #Q628 #Q701 #Q702 #Q703 #Q704 #Q705 #Q706 #Q707 #Q708 #Q709 #Q711 #Q712 #Q713 #Q714  RV101 RV102 RV103 RV201 RV301 RV302 RV303 RV401 RV501 RV502 RV503 RV504 RV505 RV506 RV601 RV602	E-3-3-1-4-4-1-1-2-2-2-2-2-1-1-2-1-2-2-2-1-1-1-1		
IC610 IC611 IC612 IC701	D-2 D-2 C-2 F-1	Q504 <b>*</b> Q505 <b>*</b> Q506 Q507	A-1 A-5 A-4 B-1	RV603 RV604 RV605 RV606	D-1 D-1 F-1 C-1		

#: B SIDE : UVW-1800/1800P ONLY N: UVW-1800/1600 ONLY △: 1-648-899-11 ONLY ○: UVW-1800 (1-648-899-12) ONLY •: UVW-1800P/1600/1600P (1-648-899-12) ONLY

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VP-43/43A/43P/43AP(7/7):R-Y/B-Y OUT DRIVE



16-133 (a1)

16-133 (a1)

UVW-1800/1600 UVW-1800P/1600P Н

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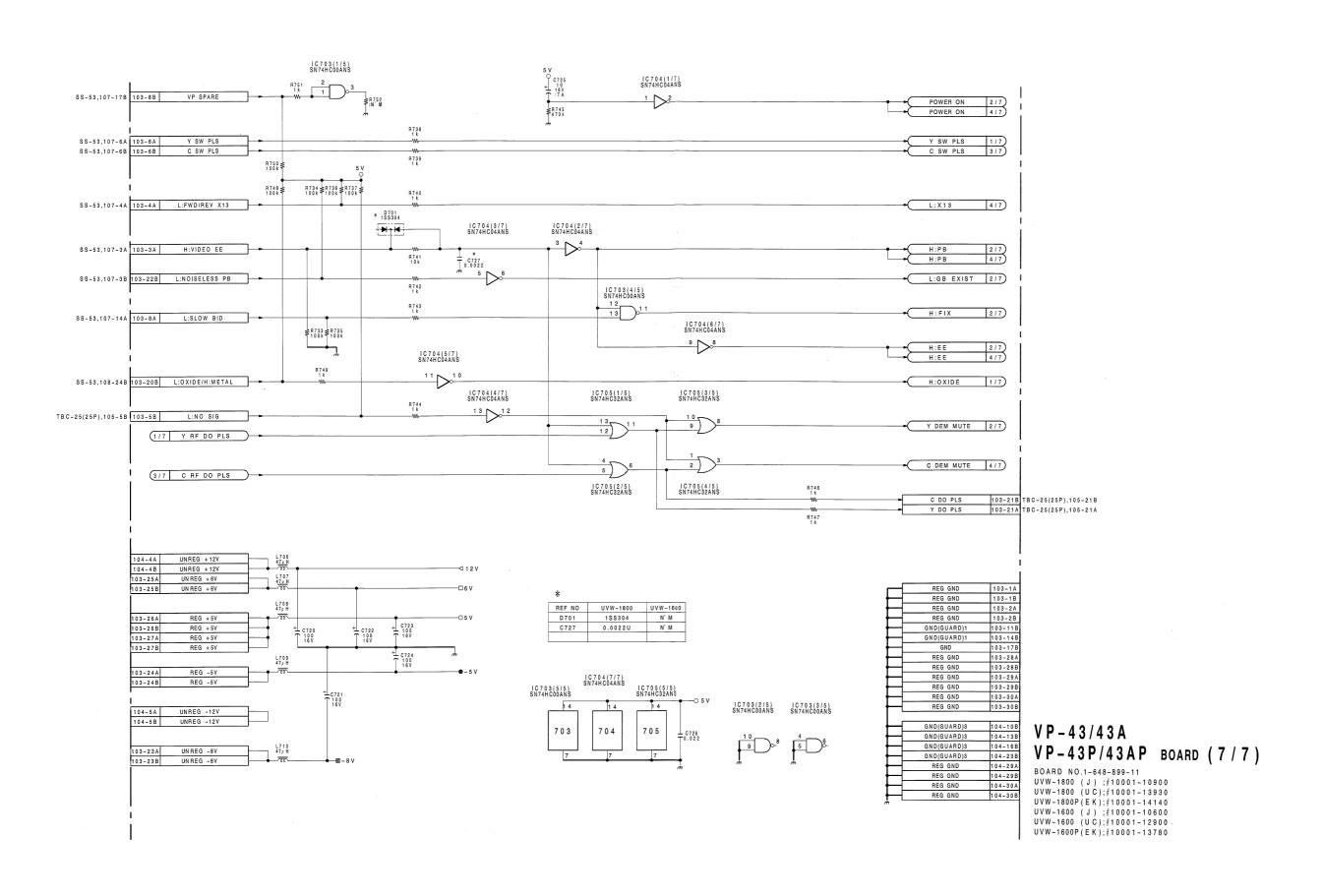
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UVW-1800/1600 UVW-1800P/1600P 16-133 (a2)

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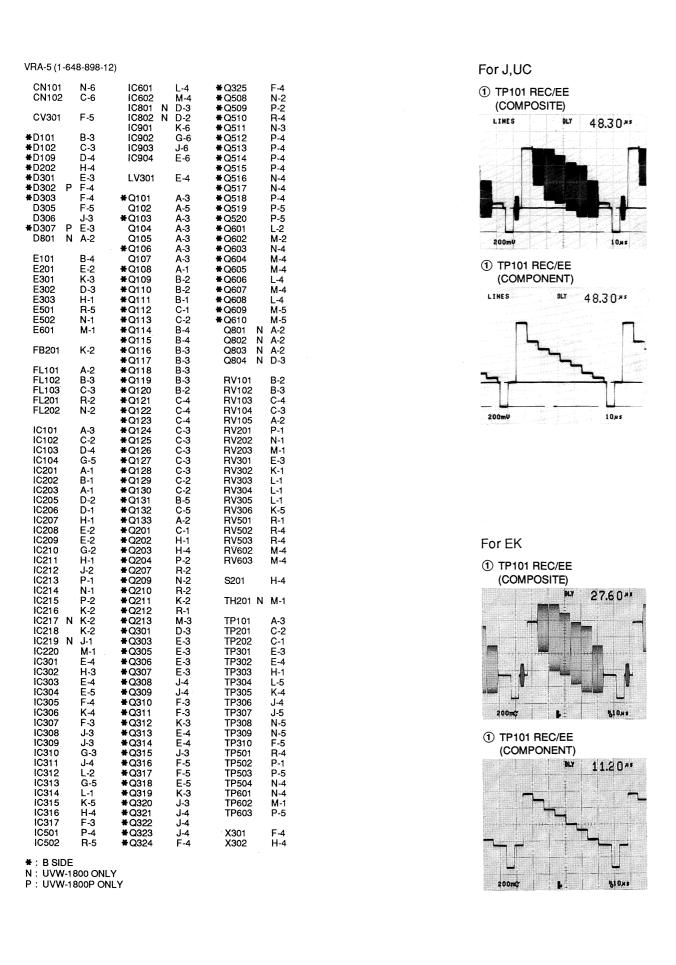
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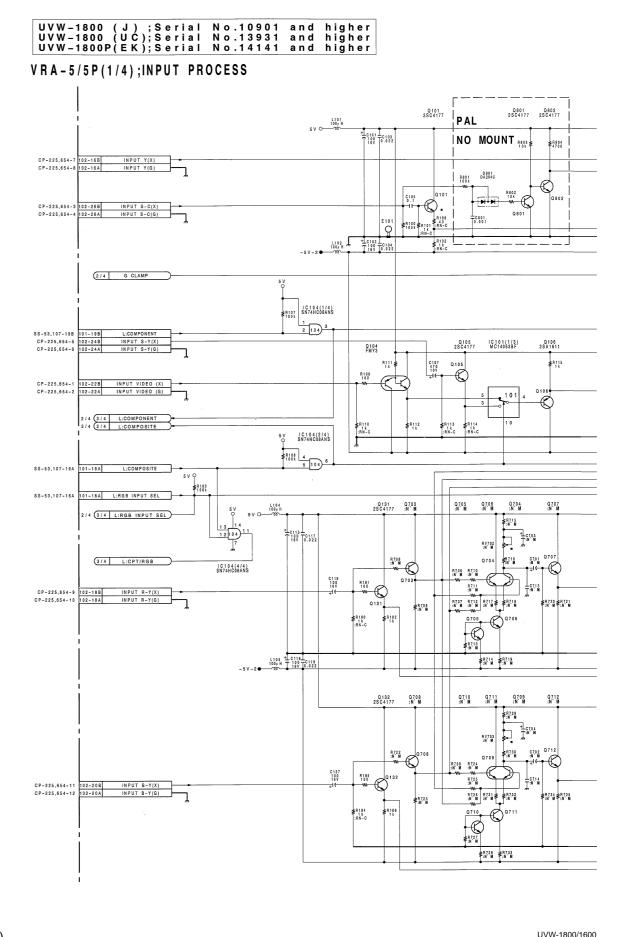
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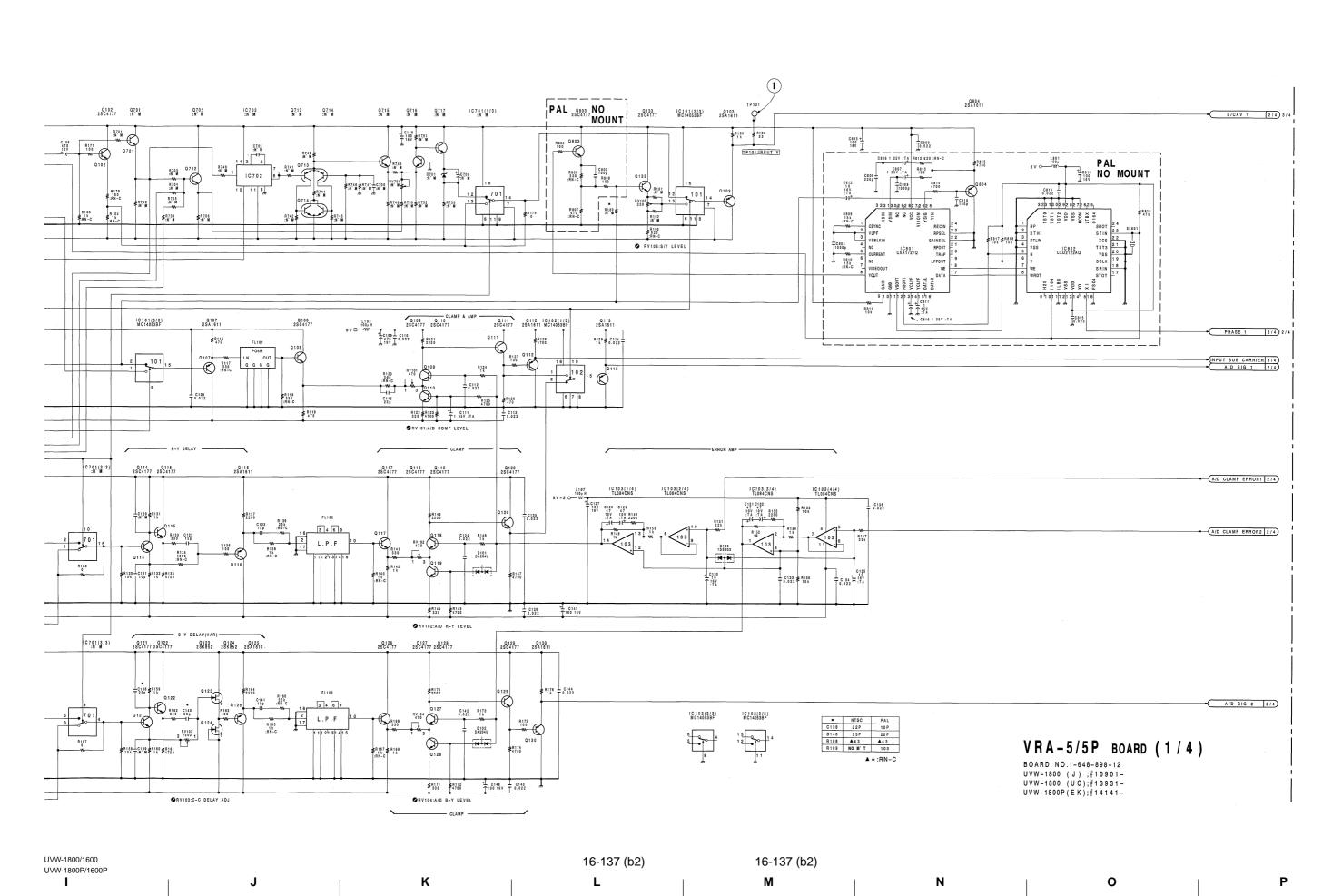
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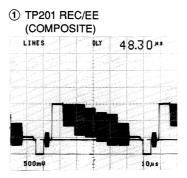


VRA-5/5P

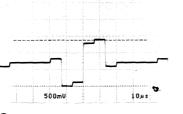
VRA-5 (1	-64	8-898	-12)							
CN101 CN102		N-6 C-6		IC601 IC602		L-4 M-4	*Q	508		F-4 N-2
CV301		F-5		IC801 IC802 IC901	N N	D-3 D-2 K-6	*Q	510		P-2 R-4 N-3
*D101 *D102 *D109 *D202		B-3 C-3 D-4 H-4		IC902 IC903 IC904		G-6 J-6 E-6	*Q *Q *Q	512 513 514		P-4 P-4 P-4 P-4
<b>#</b> D301 <b>#</b> D302	Р	E-3 F-4		LV301		E-4	#Q	516		N-4 N-4
*D303 D305 D306 *D307 D801	P N	F-4 F-5 J-3 E-3 A-2		#Q101 Q102 #Q103 Q104 Q105 #Q106		A-3 A-5 A-3 A-3 A-3	*Q *Q *Q *Q *Q	518 519 520 601 602		P-4 P-5 P-5 L-2 M-2 N-4
E101 E201 E301 E302 E303 E501 E502 E601		B-4 E-2 K-3 D-3 H-1 R-5 N-1 M-1		Q107 #Q108 #Q109 #Q110 #Q111 #Q112 #Q113 #Q114		A-3 A-1 B-2 B-2 B-1 C-1 C-2 B-4		605 606 607 608 609 610 801	N	M-4 L-4 M-4 L-4 M-5 M-5
FB201		K-2		*Q115 *Q116 *Q117		B-4 B-3 B-3	Q	802 803 804	N N N	A-2 A-2 D-3
FL101 FL102 FL103 FL201 FL202		A-2 B-3 C-3 R-2 N-2		*Q118 *Q119 *Q120 *Q121 *Q122		B-3 B-3 B-2 C-4 C-4	R' R' R'	V101 V102 V103 V104 V105		B-2 B-3 C-4 C-3 A-2
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC205 IC206 IC207 IC208 IC209 IC211 IC211 IC212		A-3 C-2 D-4 G-5 A-1 D-1 H-2 E-2 G-1 J-2		#Q123 #Q124 #Q125 #Q126 #Q127 #Q128 #Q130 #Q130 #Q131 #Q132 #Q132 #Q204 #Q202 #Q204		CCCCCCCBCACH+22	R' R	V201 V202 V203 V301 V302 V303 V304 V305 V306 V501 V502 V503 V602 V603		P-1 N-1 M-1 E-3 K-1 L-1 L-1 K-5 R-4 M-4
IC213 IC214		P-1 N-1		#Q209 #Q210		N-2 R-2	S	201		H-4
IC215 IC216		P-2 K-2		<b>#</b> Q211 <b>#</b> Q212		K-2 R-1		H201	N	М-
IC217 IC218 IC219 IC220 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC310 IC311 IC312 IC313 IC314 IC314 IC315 IC316 IC317 IC501 IC502	N	KK22 J-1-1-4-3-4-4-3-3-3-3-4-2-5-1-5-4-3-4-5 LGL-5-4-3-4-5 LGL-5-4-3-4-5		#Q213 #Q301 #Q303 #Q305 #Q306 #Q307 #Q308 #Q310 #Q311 #Q313 #Q314 #Q315 #Q315 #Q318 #Q319 #Q321 #Q323 #Q323 #Q324		N 0 3 3 3 3 4 4 4 3 3 5 5 5 5 3 3 4 4 4 4 4		P101 P201 P202 P303 P303 P304 P305 P306 P307 P501 P501 P502 P603 R602 R603 R603 R603 R603 R603 R603 R603 R603		A-3-2-C-1-C-1-C-1-C-1-C-1-C-1-C-1-C-1-C-1-C
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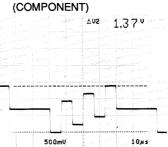
## For J,UC



① TP201 REC/EE (COMPONENT) <sup>∆02</sup> 1.37°

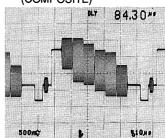


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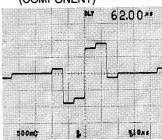


## For EK

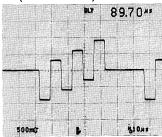
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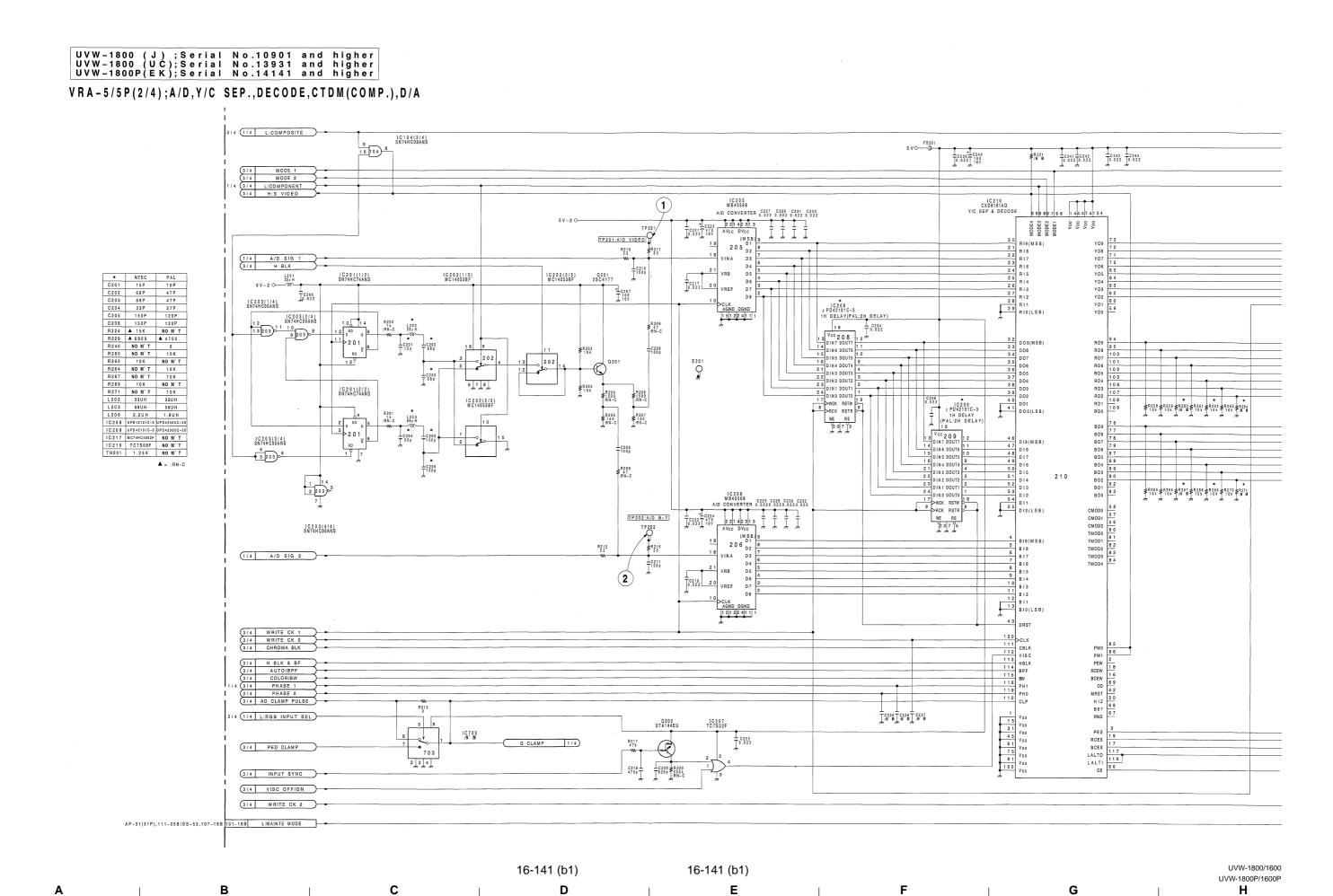


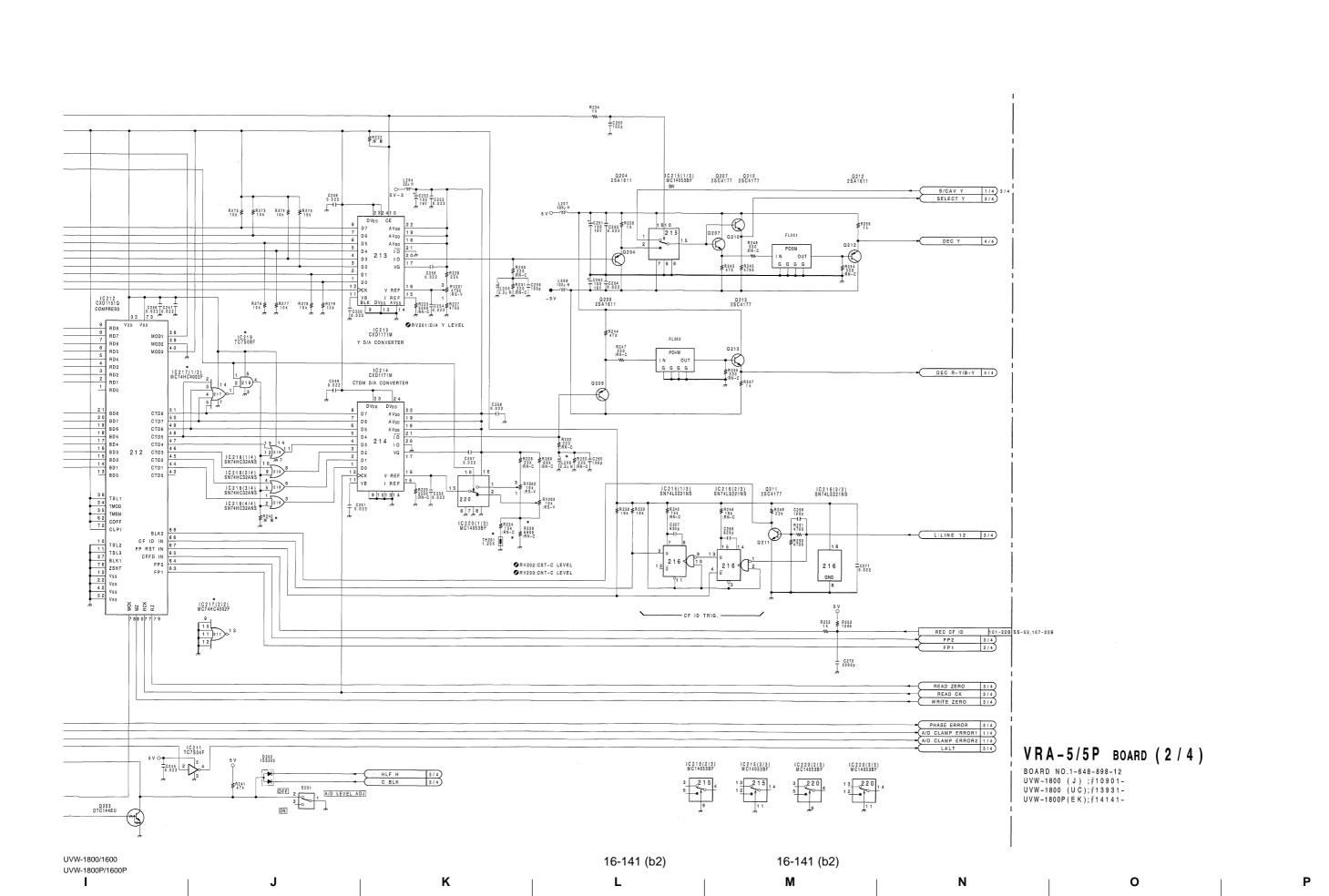
① TP201 REC/EE (COMPONENT)



② TP202 REC/EE (COMPONENT)





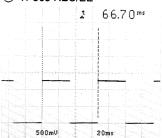


/RA-5 (1	-64	8-898	-12)			
CN101 CN102		N-6 C-6	IC601 IC602	L-4 M-4	# Q325 # Q508	F-4 N-2
CV301		F-5	IC801 IC802 IC901	N D-3 N D-2 K-6	#Q509 #Q510 #Q511	P-2 R-4 N-3
D101 D102 D109 D202		B-3 C-3 D-4 H-4 E-3	IC901 IC902 IC903 IC904	G-6 J-6 E-6	*Q511 *Q512 *Q513 *Q514 *Q515 *Q516	P-4 P-4 P-4 P-4 N-4
D302 D303 D305 D306 D307 D801	P P N	F-4 F-5 J-3 E-3 A-2	#Q101 Q102 #Q103 Q104 Q105	A-3 A-5 A-3 A-3 A-3	*Q517 *Q518 *Q519 *Q520 *Q601 *Q602	N-4 P-4 P-5 P-5 L-2 M-2
E101 E201 E301 E302 E303 E501 E502 E601		B-4 E-2 K-3 D-3 H-1 R-5 N-1	#Q106 Q107 #Q108 #Q109 #Q110 #Q111 #Q112 #Q113 #Q114 #Q115	A-3 A-3 A-1 B-2 B-2 B-1 C-1 C-2 B-4 B-4	* Q603 * Q604 * Q605 * Q606 * Q607 * Q608 * Q609 * Q610 Q801 N	N-4 M-4 L-4 M-4 L-4 M-5 M-5 A-2 A-2
FB201 FL101		K-2 A-2	#Q116 #Q117 #Q118	B-3 B-3 B-3	Q803 N Q804 N	A-2 D-3
FL102 FL103 FL201 FL202		B-3 C-3 R-2 N-2	#Q119 #Q120 #Q121 #Q122 #Q123	B-3 B-2 C-4 C-4 C-4	RV101 RV102 RV103 RV104 RV105	B-2 B-3 C-4 C-3 A-2
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC205 IC206 IC207 IC208 IC209 IC210 IC211		A-3 C-2 D-4 G-5 A-1 B-1 D-2 D-1 H-1 E-2 G-2 H-1	#Q124 #Q125 #Q126 #Q127 #Q128 #Q129 #Q130 #Q131 #Q132 #Q133 #Q201 #Q202 #Q203 #Q204	C-3 C-3 C-3 C-2 C-2 C-2 B-5 C-1 H-1 H-2	RV201 RV202 RV203 RV301 RV302 RV303 RV304 RV305 RV306 RV501 RV502 RV503 RV602 RV603	N-1 N-1 E-3 K-1 L-1 L-1 K-5 R-1 R-4 M-4 M-4
IC212 IC213 IC214		J-2 P-1 N-1	#Q207 #Q209 #Q210	R-2 N-2 R-2	S201	H-4
IC215 IC216		P-2 K-2	#Q211 #Q212	K-2 R-1	TH201 N	M-1
IC216 IC217 IC218 IC219 IC220 IC301 IC302 IC303 IC304 IC306 IC307 IC308 IC307 IC311 IC312 IC311 IC312 IC311 IC315 IC316 IC316 IC302	N N	KK21 HE43444 FJ3334 JLC51 KH734 FR544	#Q212 #Q213 #Q301 #Q303 #Q305 #Q306 #Q307 #Q308 #Q310 #Q311 #Q312 #Q313 #Q314 #Q315 #Q316 #Q317 #Q319 #Q320 #Q321 #Q323 #Q323	₭ МОБЕББЈ4 4 3 3 3 4 4 3 5 5 5 5 3 3 4 4 4 4 FF KEEJFFEKJJJFF	TP101 TP201 TP202 TP301 TP302 TP303 TP304 TP305 TP306 TP307 TP308 TP309 TP310 TP501 TP502 TP503 TP504 TP601 TP602 TP603 X301 X301	A-3 CC-1 E-3 E-4 L-5 K-4 J-5 N-5 F-5 N-4 P-5 N-4 P-5 H-4

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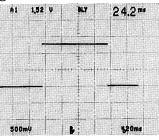
### For J,UC

① TP305 REC/EE



For EK

① TP305 REC/EE



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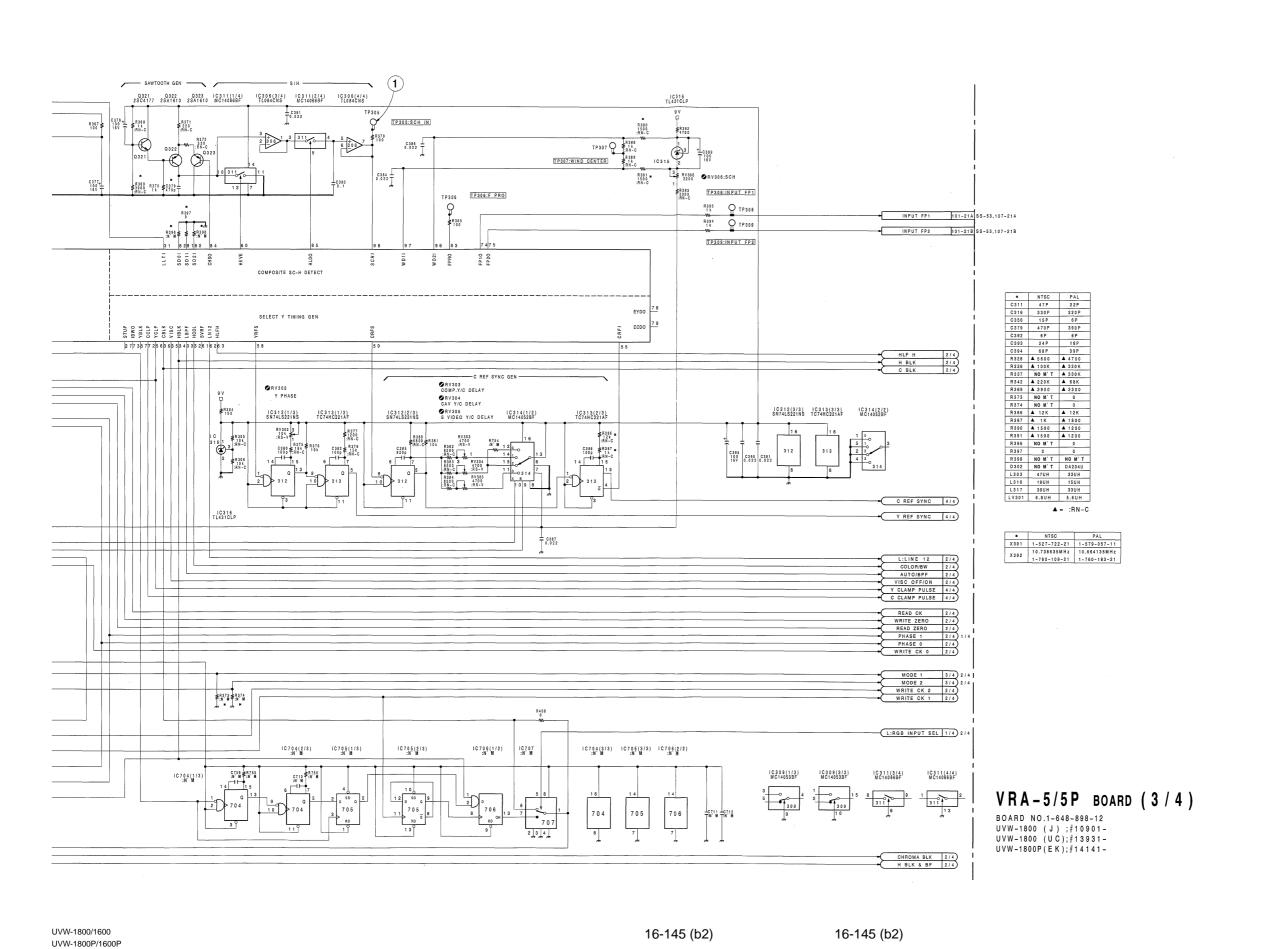
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 $UVW-1800\ (J)$  ; Serial No.10901 and higher  $UVW-1800\ (UC)$ ; Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher VRA-5/5P(3/4);Y/C REF SYNC,TIMING PULSE L312 ± 100 100; H T 16V R352 \* \* \* 1k L316 L317 RN-C 18p H 39p H C392 C393 C394 6p 24p 68p C342 0.022 C340 C343 0.022 0.022 1.7 V C367 1 + C368 C334 C337 0.022 0.022 C333 C336 0.022 0.022 ######## Q308 Q309 DTC144EU DTC144EL 1C302 CXD2208Q 5V-2 100, H O 700 + C330 + 100 1 R365 L315 1k:RN-C 10 C275 C376 L 3p 10p J DVD1 DVD2 DVD3 DVD4 AVD1 AVD2 CLR1 LTA1 LTA1 LTA1 NS01 NS01 NS01 NS01 TBC-25(25P),106-16A 102-8B TBC-25(25P),106-17A 102-9B TBC-25(25P),106-18A 102-10B IC302 Q308 m DVS1 DVS2 DVS3 AVS1 AVS3 WCKI PH01 PH11 RZRO WZRO RCKO 0309 TP304 TP304:SELECT SYNC TL062CPS MC14053BF IC308(1/2) TL062CPS S/H TC318 100 T0.022 16V R363 10 k :RN-C R364 10 k :RN-C ≸ 2/4 S/CAV Y + C321 TC319 T 100 T0.022 T 16V 2/4 SELECT Y 1/4 L:CPT/RGB IC310 C371 C374 R366 CXD8243AM 0.022 L022 :N'H TP301:PHASE ERROR Q316 Q317 DTC144EU 2SA1611 2/4 PHASE ERROR C312 +1 10 16V 0324 0325 1C317 I 28C1623 28C3735 TC7504F 9 V C305 + 1 C306 16V T C305 1 C 3 0 4 (2/2) TL062CPS 5 V - 2 O C302 + C303 T0.0 22 0318 -C351 19% -C351 0.022 2 5 IC307 W R357 1M | C 3 0 3 (3 / 4 ) | C 3 0 3 (4 / 4 ) | TL084 CNS | TL084 CNS 1/4 INPUT SUB CARRIER C396 24p ■ D305 ■ 1T33C X301 \* C397 C399 1000 3300 R401 \$R403 = \$8405 1200 330 = 300 18N-C L304 C307 R302 33,H 82, 1200 C332 0.0047 T C317 Q301 2SC4177 Q303 Q305 Q306 PRV301 Q307 2SC4177 2SC4177 2SA1611 BURST DELAY ADJ 2SA1611 Q310 Q311 28C4177 28C4177

16-145 (b1) 16-145 (b1) UVW-1800/1600 UVW-1800P/1600P

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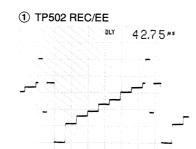
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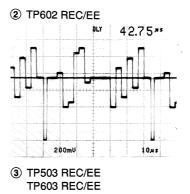
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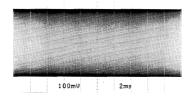
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CV301		F-5	IC801 IC802 IC901	N D-3 N D-2 K-6	<b>*</b> Q509 <b>*</b> Q510 <b>*</b> Q511		P-2 R-4 N-3
*D101 *D102 *D109 *D202		B-3 C-3 D-4 H-4	IC902 IC903 IC904	G-6 J-6 E-6	*Q512 *Q513 *Q514 *Q515		P-4 P-4 P-4 P-4
*D301 *D302 *D303	Р	E-3 F-4 F-4	LV301 #Q101	E-4 A-3	<b>*</b> Q516 <b>*</b> Q517 <b>*</b> Q518		N-4 N-4 P-4
D305 D306 #D307 D801	P N	F-5 J-3 E-3 A-2	Q102 #Q103 Q104 Q105 #Q106	A-5 A-3 A-3 A-3 A-3	*Q519 *Q520 *Q601 *Q602 *Q603		P-5 P-5 L-2 M-2 N-4
E101 E201 E301 E302 E303 E501 E502 E601		B-4 E-2 K-3 D-3 H-1 R-5 N-1	#Q107 #Q108 #Q109 #Q110 #Q111 #Q112 #Q113 #Q114 #Q115	A-3 A-1 B-2 B-2 B-1 C-1 C-2 B-4 B-4	*Q604 *Q605 *Q606 *Q607 *Q608 *Q609 *Q610 Q801 Q802	NN	M-4 L-4 M-4 L-4 M-5 M-5 A-2 A-2
FB201		K-2	#Q116 #Q117	B-3 B-3	Q803 Q804	N N	A-2 D-3
FL101 FL102 FL103 FL201 FL202		A-2 B-3 C-3 R-2 N-2	*Q118 *Q119 *Q120 *Q121 *Q122 *Q123	B-3 B-3 B-2 C-4 C-4 C-4	RV101 RV102 RV103 RV104 RV105		B-2 B-3 C-4 C-3 A-2
IC101 IC102 IC103 IC104 IC201 IC202 IC203 IC205 IC206 IC207 IC208 IC209 IC210 IC211		A-3 C-2 D-4 G-5 A-1 D-2 D-1 H-1 E-2 G-2 H-2	#Q124 #Q125 #Q126 #Q127 #Q128 #Q129 #Q130 #Q131 #Q132 #Q133 #Q133 #Q201 #Q202 #Q202 #Q203 #Q204	C C C C C C C C C C C C C C C C C C C	RV201 RV202 RV203 RV303 RV304 RV305 RV306 RV306 RV501 RV502 RV503 RV602 RV603		P-1 N-1 M-1 E-3 K-1 L-1 L-1 K-5 R-1 R-4 M-4 M-4
IC213 IC214		D-2 P-1 N-1	#Q207 #Q209 #Q210	N-2 N-2 R-2	S201		H-4
IC215 IC216		P-2 K-2	<b>#</b> Q211 <b>#</b> Q212	K-2 R-1	TH201	N	M-1
IC217 IC218 IC219 IC220 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC311 IC312 IC313 IC314 IC315 IC316 IC316 IC317 IC502	N	:K-2 J-1 E-4 E-5 K-4 G-5 L-5 H-7 G-1 L-5 H-7 H-7 H-7 H-7 H-7 H-7 H-7 H-7 H-7 H-7	#Q213 #Q301 #Q303 #Q305 #Q306 #Q307 #Q308 #Q310 #Q311 #Q313 #Q314 #Q315 #Q316 #Q317 #Q318 #Q317 #Q318 #Q317 #Q318 #Q320 #Q321 #Q323 #Q323 #Q324	M33333444355553344443555553344444	TP101 TP201 TP202 TP301 TP302 TP303 TP304 TP305 TP306 TP307 TP308 TP309 TP310 TP501 TP502 TP503 TP504 TP601 TP602 TP603 X301 X302		A-3 C-2 C-1 E-3 E-4 H-1 L-5 4 J-5 N-5 R-4 P-1 P-5 N-4 M-1 F-4 H-4

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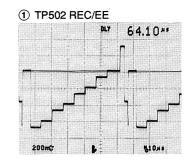
### For J,UC

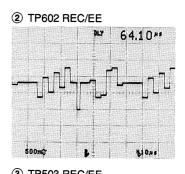






#### For EK







UVW-1800 ( J ) ; Serial  $\,$  No.10901 and higher  $\,UVW-1800$  (UC); Serial  $\,$  No.13931 and higher  $\,UVW-1800P(E\,K)$ ; Serial  $\,$  No.14141 and higher VRA-5/5P(4/4);Y/C MOD,Y REC HF ORV502 ORV503
Y DEVIATION Y CARRER Y DARK Y WHITE Y BALANCE Q510 2\$C4177 TP501:CLIP Y 9 V □ <del>- W</del>-1C502 TL431CLP RV502 2200 3/4 Y CLAMP PULSE 2/4 DEC Y IC501 BP-023 AM MOD LIM SW AMP OUT 3/4 Y REF SYNC + C502 L C505 T 16V T0.022 ORV602 ORV603 C DEVIATION C CARRER C LOW C HIGH C BALANCE 0603 28C4177 TP601:CLIP C 9 V 🗆 - W-1C602 TL431CLP 3/4 C CLAMP PULSE C603 100 R604 16V 1200 2/4 DEC R-Y/B-Y 14 SG IN SYNC IN IC 6 0 1 BP-023 Q602 2SC4177 AM MOD LIM SW AMP OUT 3/4 C REF SYNC TC604 3300 R606 C606 C607 R608 H608 C606 C607 R808 H608 C606 C607 R808 H609 RN-0 4700 1 C 9 0 3 P Q 0 5 S Z 5 U + 5 V R E G IC901 PQ058Z5U +5V REG -C905 <u>C907</u> REG GND REG GND REG GND REG GND REG GND C906 — 100 — C908 16V — 0.022 REG GND -5V REG IC902 L79M05T-FA

16-149 (b1)

16-149 (b1)

UVW-1800/1600 UVW-1800P/1600P

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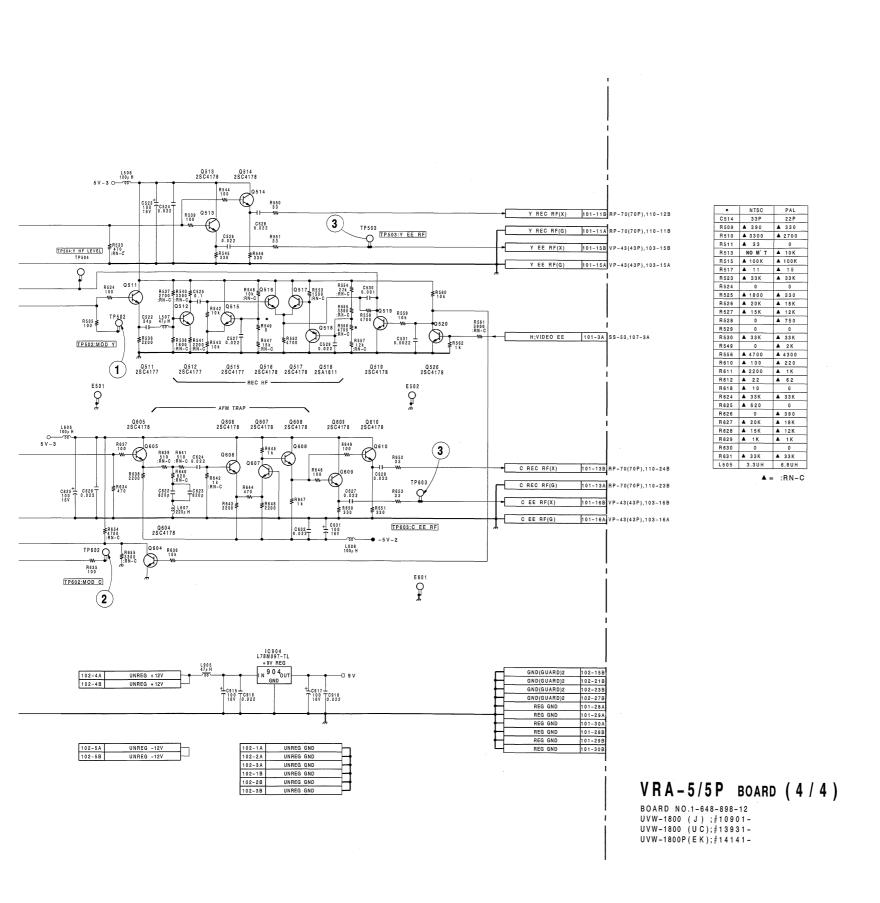
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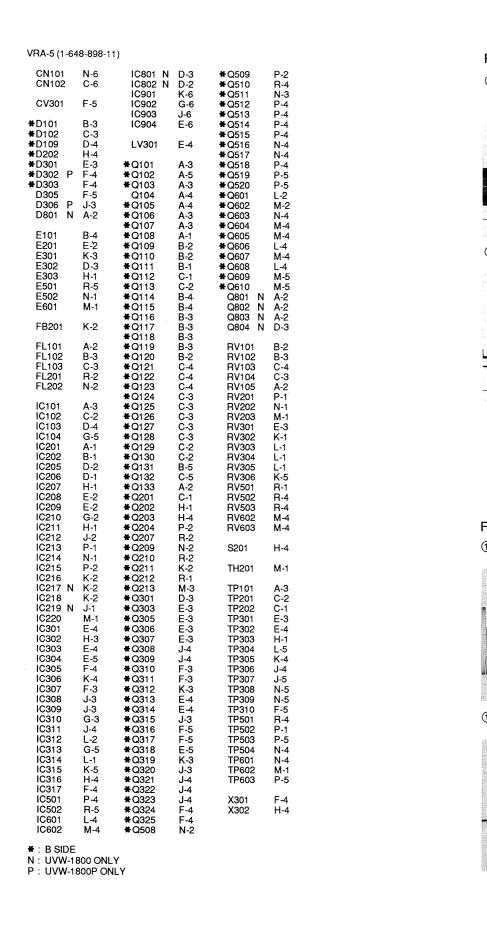
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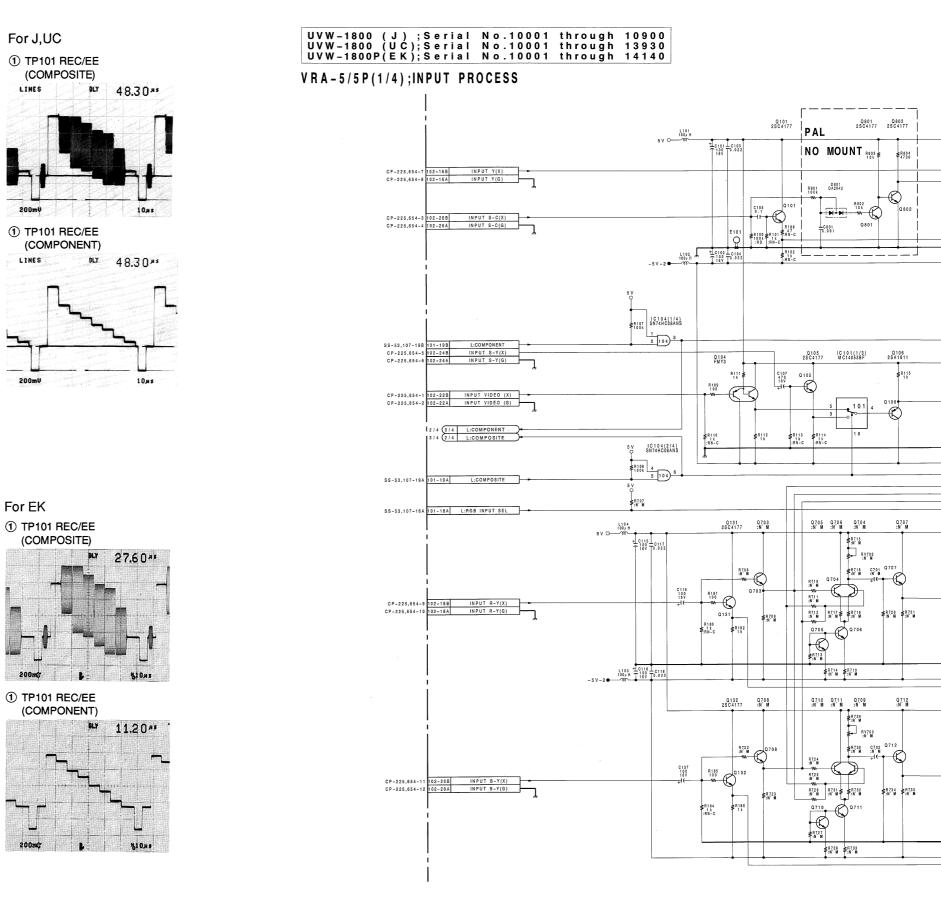
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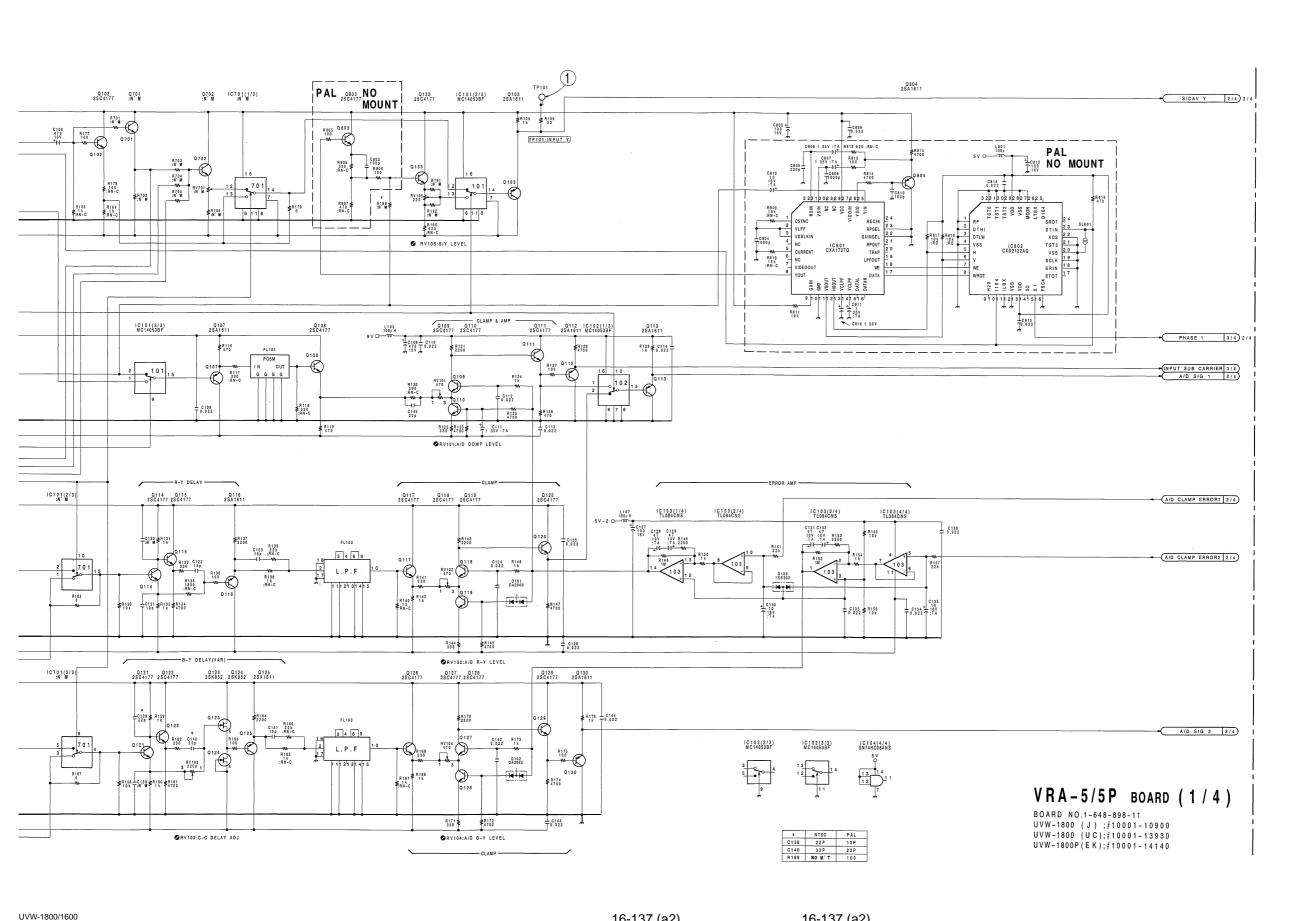
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16-137 (a2) 16-137 (a2)

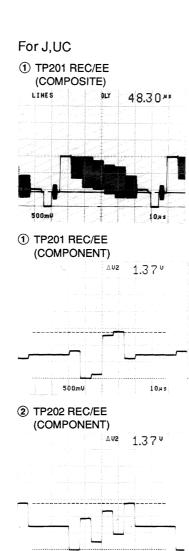
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UVW-1800P/1600P

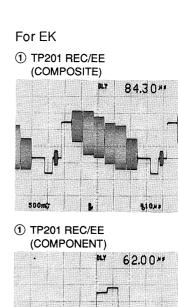
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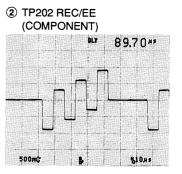
8-898-11)				
N-6 C-6	IC801 N IC802 N	D-3 D-2	<b>*</b> Q509 <b>*</b> Q510	P-2 R-4
F-5	IC902	G-6	<b>#</b> Q512	N-3 P-4 P-4
B-3 C-3 D-4 H-4 E-3 F-4 F-4 F-5 J-3 A-2	IC904 LV301 *Q101 *Q102 *Q103 Q104 *Q105 *Q106	E-6 E-4 A-3 A-5 A-3 A-4 A-4 A-3	*Q514 *Q515 *Q516 *Q517 *Q518 *Q519 *Q520 *Q601 *Q602 *Q602	P-4 P-4 N-4 P-4 P-5 P-5 L-2 M-2 N-4
B-4 E-2 K-3 D-3 H-1 R-5 N-1 M-1	#Q107 #Q108 #Q109 #Q110 #Q111 #Q112 #Q113 #Q114 #Q115 #Q116 #Q117	A-1 B-2 B-1 C-2 B-4 B-3 B-3	#Q605 #Q605 #Q606 #Q607 #Q608 #Q609 #Q610 Q801 N Q802 N Q803 N Q804 N	M-4 M-4 L-4 M-5 M-5 A-2 A-2 D-3
A-2 B-3 C-3 R-2 N-2	*Q118 *Q119 *Q120 *Q121 *Q122 *Q123 *Q124	B-3 B-3 B-2 C-4 C-4 C-4 C-3	RV101 RV102 RV103 RV104 RV105 RV201	B-2 B-3 C-4 C-3 A-2 P-1
A-3 C-2 D-4 G-5 A-1 D-2 D-1 H-1 E-2 G-2 H-1	*Q125 *Q126 *Q127 *Q128 *Q129 *Q130 *Q131 *Q132 *Q133 *Q201 *Q202 *Q203 *Q204	C-3 C-3 C-3 C-2 C-2 B-5 C-2 C-1 H-1 H-4 P-2	RV202 RV203 RV301 RV302 RV303 RV304 RV305 RV306 RV501 RV502 RV503 RV602 RV603	N-1 M-1 E-3 K-1 L-1 L-1 K-5 R-1 R-4 M-4
P-1	<b>*</b> Q209	N-2	S201	H-4
P-2	<b>#</b> Q211	K-2 R-1	TH201	M-1
KK J-1 M-1 M-1 M-1 M-1 M-1 M-1 M-1 M-1 M-1 M	*Q212 *Q301 *Q303 *Q305 *Q306 *Q307 *Q308 *Q309 *Q310 *Q311 *Q312 *Q313 *Q314 *Q315 *Q316 *Q317 *Q318 *Q319 *Q320 *Q321 *Q322 *Q323 *Q324 *Q325 *Q508	KMDEEE3J4433344435555334444442	TP101 TP201 TP202 TP301 TP302 TP303 TP304 TP305 TP306 TP307 TP308 TP309 TP310 TP501 TP501 TP502 TP503 TP504 TP601 TP601 TP603	A-3 C-2 C-1 E-4 H-5 K-4 J-5 N-5 F-5 R-1 P-5 N-4 M-1 P-5 H-4
	NC F- BCDHEFFFJA BEKOHRNM K ABCRN ACDGABDDHEEGHJPNPKKKJMEHEEFKFJJGJLGLKHFPRL	N-6 IC801 N IC901 F-5 IC902 IC903 IC904 IC901 F-5 IC902 IC903 IC904 C-3 IC904 C-3 IC904 C-3 IC904 IC901 F-4 IC901 F-4 IC901 F-4 IC901 F-5 IC902 IC903 IC904 IC901 IC904 IC901 IC90I	N-6	N-6

#: B SIDE N: UVW-1800 ONLY P: UVW-1800P ONLY



500mV

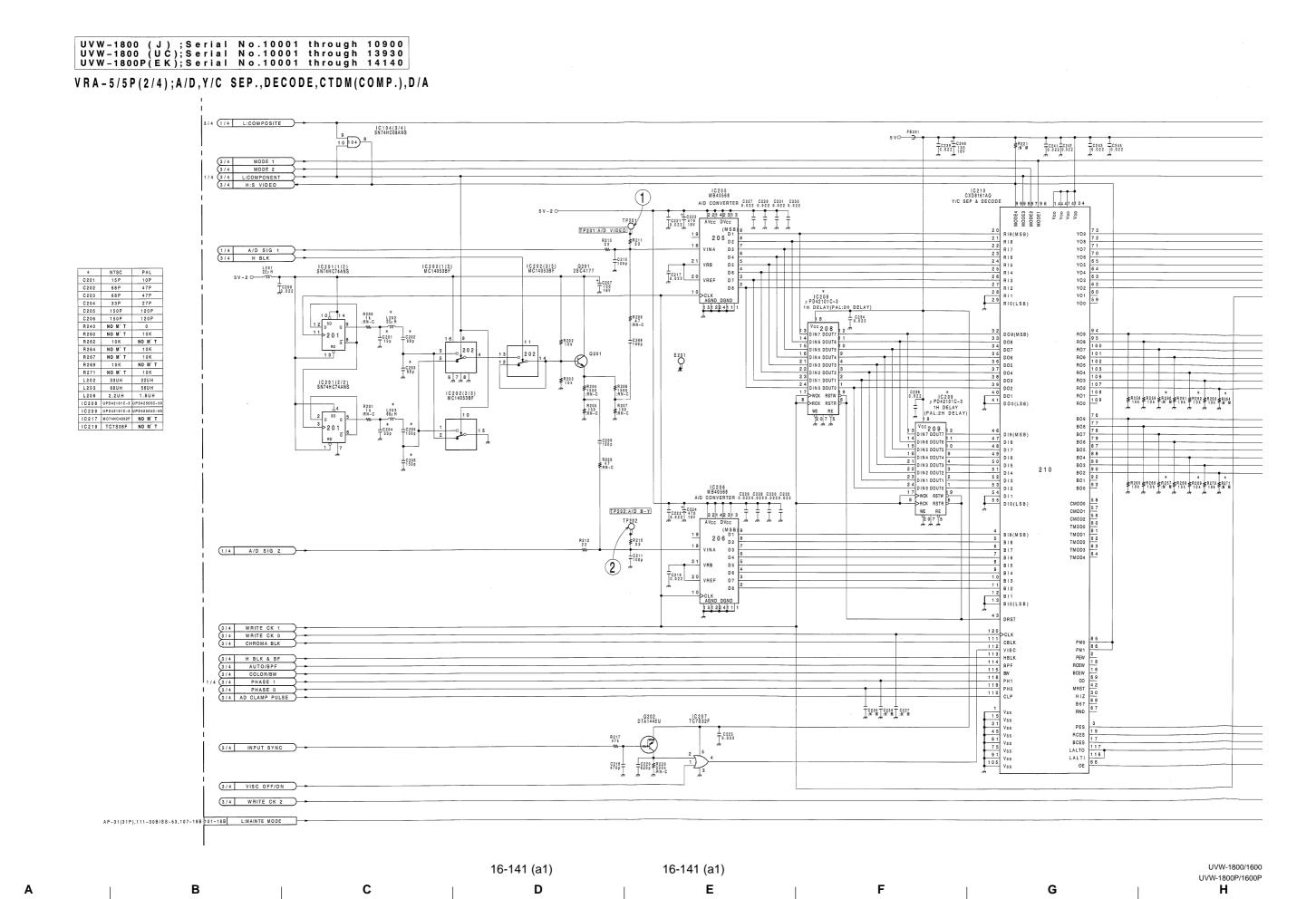


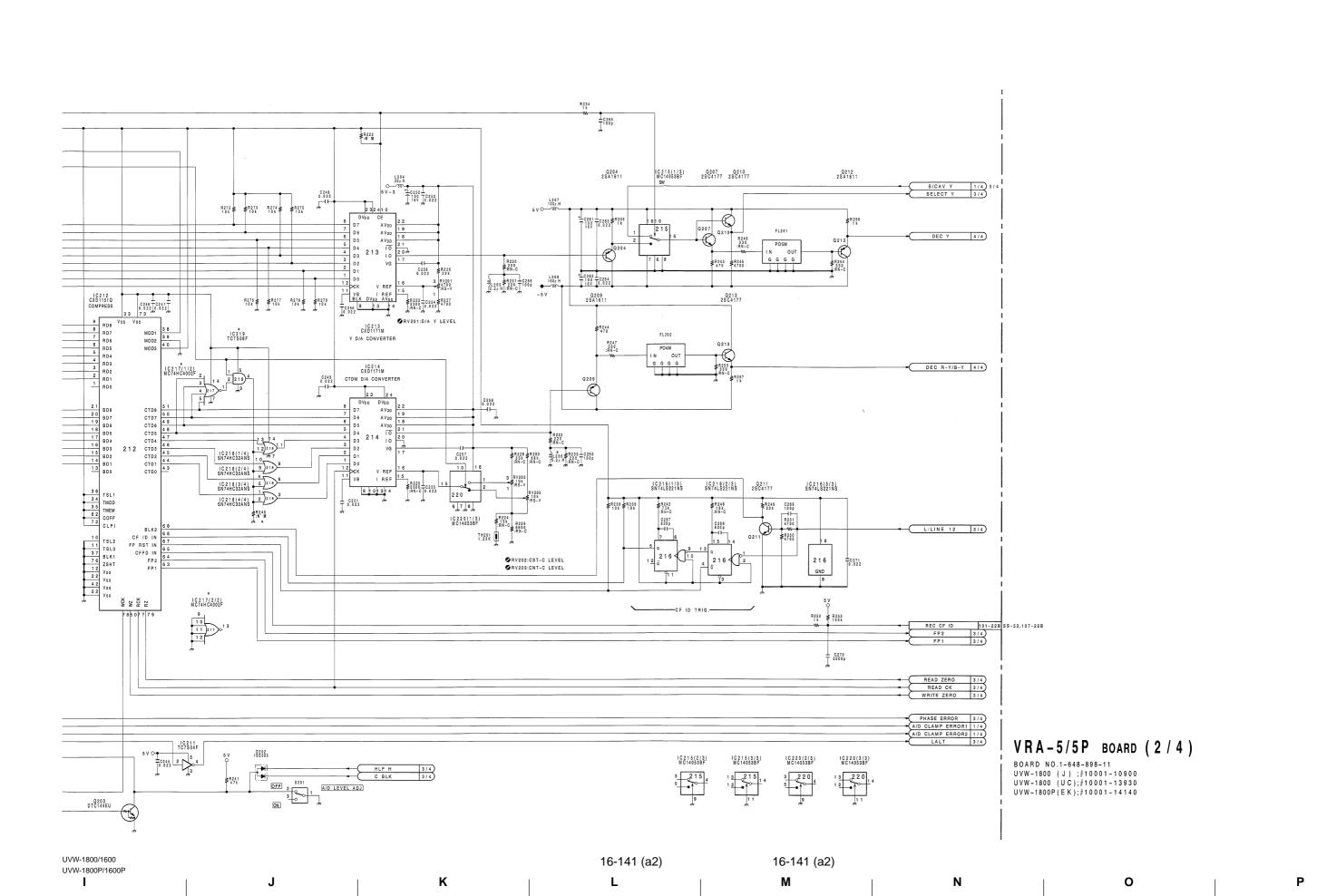


16-140 (a)

16-140 (a)

http://getMANUAL.com





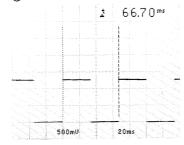
#### VRA-5/5P VRA-5/5P

VRA-5 (1-64	8-898-11)				
CN101 CN102	N-6 C-6	IC801 N IC802 N	D-3 D-2	<b>*</b> Q509 <b>*</b> Q510	P-2 R-4
CV301	F-5	IC901 IC902 IC903	K-6 G-6 J-6	<b>*</b> Q511 <b>*</b> Q512 <b>*</b> Q513	N-3 P-4 P-4
#D101 #D102 #D109 #D202 #D301 #D303 PD303 D305 D306 P D801 N	B-3 C-3 D-4 H-4 E-3 F-4 F-5 J-3 A-2	IC903 IC904 LV301 *Q101 *Q102 *Q103 Q104 *Q105 *Q106 *Q107	E-6 E-4 A-3 A-5 A-4 A-4 A-3 A-3	*Q514 *Q515 *Q516 *Q517 *Q518 *Q519 *Q520 *Q601 *Q602 *Q603 *Q604	P-4 P-4 N-4 N-4 P-5 P-5 L-2 M-2 N-4
E101 E201 E301 E302 E303 E501 E502 E601	B-4 E-2 K-3 D-3 H-1 R-5 N-1 M-1	*Q108 *Q109 *Q110 *Q111 *Q111 *Q112 *Q113 *Q114 *Q115 *Q116 *Q117	A-1 B-2 B-1 C-2 B-4 B-4 B-3 B-3	*Q605 *Q606 *Q607 *Q608 *Q609 *Q610 Q801 N Q802 N Q803 N Q804 N	M-4 L-4 M-4 L-4 M-5 M-5 A-2 A-2 A-2 D-3
FL101 FL102 FL103 FL201 FL202	A-2 B-3 C-3 R-2 N-2	*Q118 *Q119 *Q120 *Q121 *Q122 *Q123 *Q124	B-3 B-3 B-2 C-4 C-4 C-4 C-3	RV101 RV102 RV103 RV104 RV105 RV201	B-2 B-3 C-4 C-3 A-2 P-1
IC101 IC102 IC103 IC104 IC201 IC202 IC205 IC206 IC207 IC208 IC209 IC210 IC211	A-3 C-2 D-4 G-5 A-1 B-1 D-2 D-1 H-1 E-2 E-2 H-1	*Q125 *Q126 *Q127 *Q128 *Q129 *Q130 *Q131 *Q132 *Q133 *Q201 *Q203 *Q203 *Q203	C-3 C-3 C-2 C-2 B-5 C-2 B-5 A-2 C-1 H-4 P-2	RV202 RV203 RV301 RV302 RV303 RV304 RV305 RV306 RV501 RV502 RV503 RV602 RV603	N-1 M-1 E-3 K-1 L-1 L-1 K-5 R-1 R-4 R-4 M-4
IC212 IC213 IC214	J-2 P-1 N-1	<b>*</b> Q207 <b>*</b> Q209 <b>*</b> Q210	R-2 N-2 R-2	S201	H-4
IC215 IC216	P-2 K-2	*Q211 *Q212	K-2 R-1	TH201	M-1
IC217 N IC218 IC219 N IC220 IC301 IC302 IC303 IC304 IC305 IC306 IC307 IC308 IC309 IC310 IC311 IC312 IC313 IC314 IC315 IC316 IC317 IC501 IC502 IC601 IC602	KKJ-M-4-3-4-5-4-4-3-3-3-3-4-2-5-1-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-4-5-5-4-4-5-5-4-4-4-5	#Q212 #Q303 #Q305 #Q306 #Q306 #Q307 #Q308 #Q310 #Q310 #Q311 #Q312 #Q313 #Q314 #Q315 #Q315 #Q316 #Q317 #Q318 #Q318 #Q319 #Q322 #Q323 #Q323 #Q323 #Q324 #Q325 #Q325 #Q308	N-3 D-3 D-3 D-3 D-3 D-3 D-3 D-3 D-3 D-3 D	TP101 TP201 TP202 TP301 TP302 TP303 TP304 TP306 TP307 TP308 TP309 TP310 TP501 TP501 TP502 TP503 TP504 TP601 TP602 TP602 TP603	A-3 C-2 C-1 E-4 H-1 L-5 J-5 N-5 F-5 R-4 N-4 N-4 N-4 H-1 P-1 F-4 H-4

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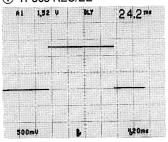
## For J,UC

① TP305 REC/EE



### For EK

① TP305 REC/EE



UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 VRA-5/5P(3/4); Y/C REF SYNC, TIMING PULSE

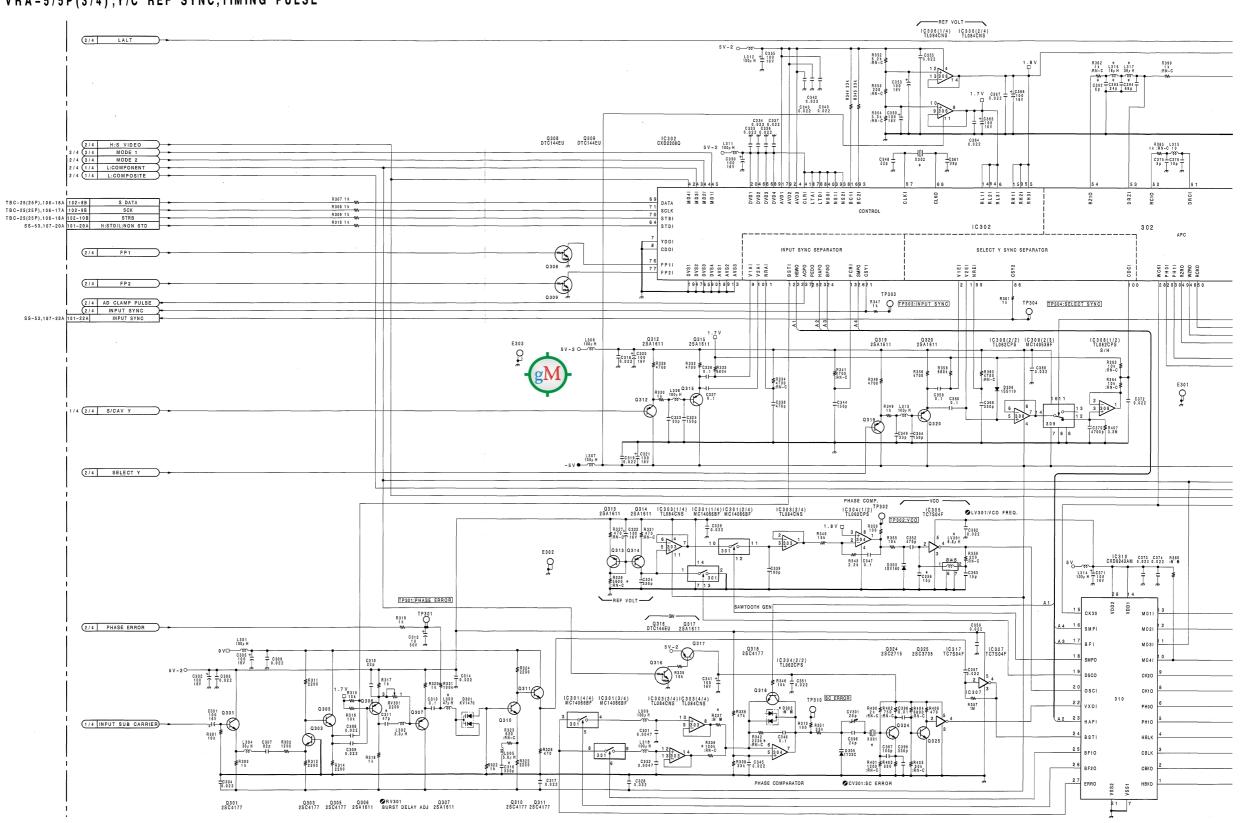
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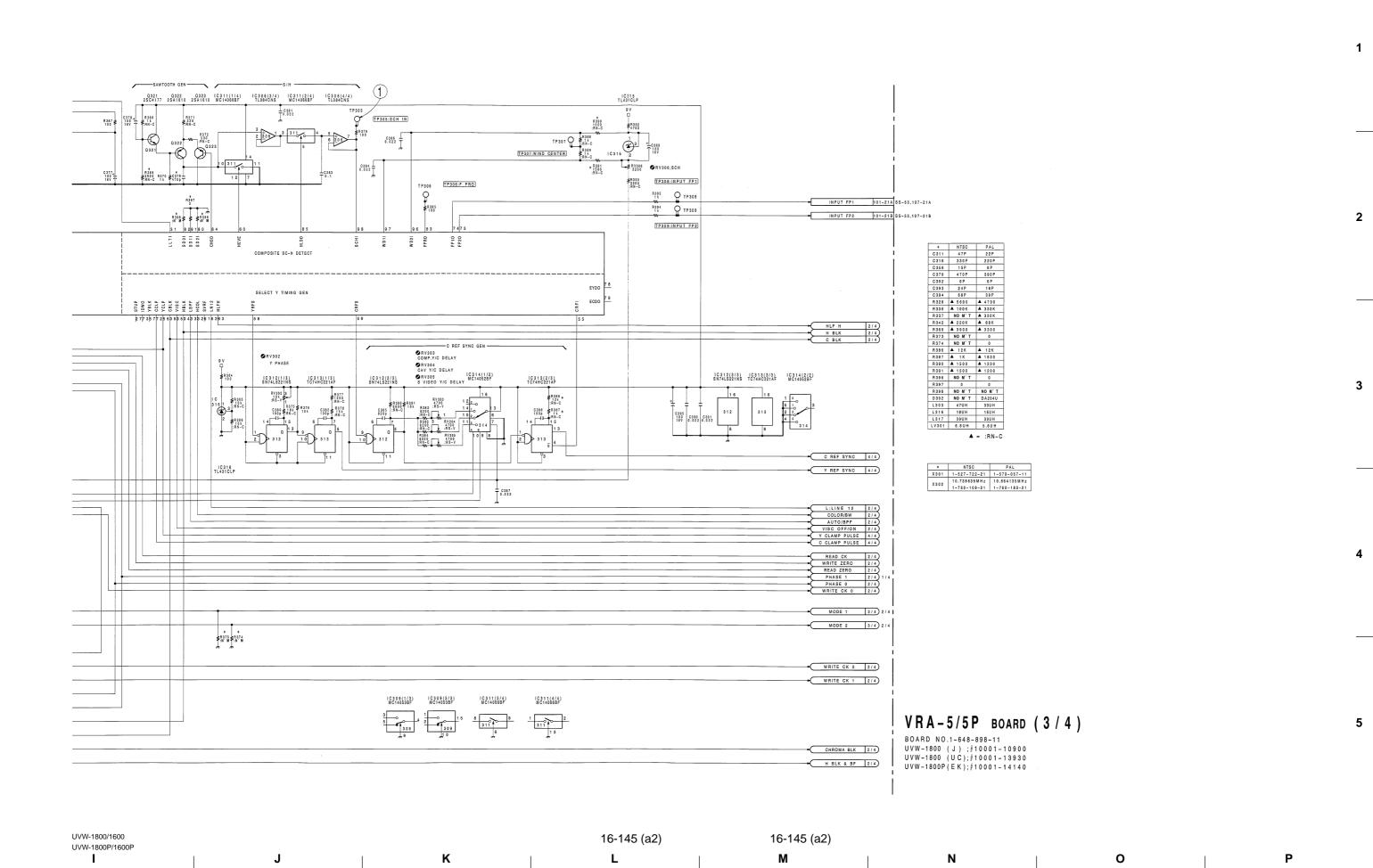
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В



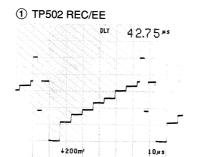


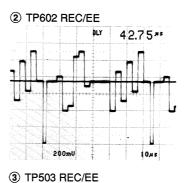
VRA-5 (1-648-898-11) IC801 N D-3 IC802 N D-2 IC901 K-6 IC902 G-6 IC903 J-6 CN101 CN102 C-6 CV301 **#**D101 IC904 E-6 **\***D102 **\***D109 C-3 D-4 LV301 H-4 **\***D202 **\***D301 E-3 **#**Q101 A-3 **\***D302 #Q102 **#**D303 **#**Q103 3443311221112443333324444333333225521114222221 D305 D306 D801 Q104 J-3 **#**Q105 #Q106 #Q107 E101 E201 E301 E302 E303 E501 E502 E601 B-4 #Q108 E-2 K-3 D-3 **#**Q109 #Q110 #Q111 H-1 R-5 **#**Q112 **\***Q113 #Q114 #Q115 #Q116 N-1 M-1 FB201 K-2 #Q117 **#**Q118 FL101 FL102 FL103 A-2 B-3 C-3 R-2 N-2 RV101 RV102 RV103 **\***Q119 B-2 B-3 C-4 C-3 A-2 P-1 N-1 E-3 K-1 L-1 \*Q120 \*Q121 \*Q122 FL201 FL202 RV104 #Q123 RV105 \*Q124 \*Q125 \*Q126 \*Q127 \*Q128 RV201 IC101 IC102 IC103 IC104 IC201 IC202 IC205 IC206 IC207 IC208 IC209 IC210 IC211 IC212 IC213 IC214 IC215 IC216 IC216 IC217 N IC218 IC218 IC218 IC218 IC219 N IC220 IC301 IC302 IC303 IC304 RV202 RV203 RV301 A-3 C-2 G-5 A-1 B-1-2 D-1-1 E-2-2 H-1-2 P-1-1 P-2-2 K-2 RV302 #Q129 RV303 #Q130 RV304 L-1 #Q131 #Q132 #Q133 L-1 K-5 R-1 R-4 RV305 RV306 RV501 #Q201 RV502 R-4 M-4 #Q202 RV503 #Q203 RV602 #Q204 RV603 M-4 #Q207 #Q209 #Q210 #Q211 #Q212 S201 H-4 TH201 M-1 #Q213 M-3 TP101 A-3 TP201 TP202 #Q301 C-2 C-13 E-15 H-15 K-14 J-15 N-15 R-15 P-15 D33334443355553344444 FFK2DJFFEKJJJJFFN #Q303 #Q305 TP301 #Q306 #Q307 #Q308 TP302 TP303 TP304 E-4 H-3 E-5 F-4 K-3 J-3 J-3 J-4 L-2 G-5 #Q309 TP305 IC305 IC306 #Q310 TP306 #Q311 TP307 IC307 IC308 IC309 IC310 IC311 IC312 IC313 IC314 IC315 IC316 IC317 IC501 **#**Q312 TP308 TP309 TP310 TP501 #Q313 #Q314 #Q315 #Q316 TP502 #Q317 TP503 N-4 N-4 M-1 P-5 #Q318 TP504 L-1 K-5 H-4 F-4 TP601 TP602 TP603 **#**Q319 #Q320 #Q321 #Q322 #Q323 X301 F-4 IC502 #Q324 X302 H-4 L-4 M-4 IC601 **#**Q325 IC602 #Q508

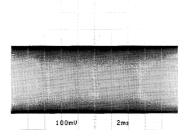
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N: UVW-1800 ONLY P: UVW-1800P ONLY

#### For J,UC

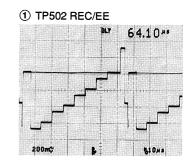


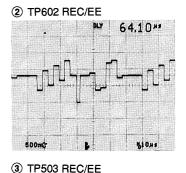


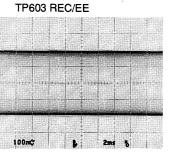


TP603 REC/EE

#### For EK







UVW-1800 ( J ) ;Serial No.10001 through 10900 UVW-1800 (UC);Serial No.10001 through 13930 UVW-1800P(EK);Serial No.10001 through 14140 VRA-5/5P(4/4);Y/C MOD,Y REC HF ORV502; ORV503; Y DEVIATION Y CARRIER Y DARK Y WHITE Y BALANCE Q510 2SC4177 TP501:CLIP Y 1C502 TL431CLP RV502 C517 T 3/4 Y CLAMP PULSE CLAMP 1 4 SG IN SYNC IN 2/4 DEC Y IC501 BP-023 L501 100; H Q508 28C4177 AM MOD LIM SW AMP OUT 3/4 Y REF SYNC +1 C502 L C505 T 100 T 0.022 ORV602; ORV603; C DEVIATION C CARRIER C LOW C HIGH C BALANCE Q603 2SC4177 TP601:CLIP C TL431CLP 3 3/4 C CLAMP PULSE C603 100 R604 16V, 1200 1 2 CLAMP SG IN SYNC IN 2/4 DEC R-Y/B-Y IC601 BP-023 Q601 2SC4177 AM MOD LIM SW AMP OUT 3/4 C REF SYNC I N 903 GND 100 TC907 T100 TC907 REG GND REG GND REG GND REG GND T 100 T C 908 T 160 T C 908 REG GND UNREG -8V UNREG -8V -5V REG IC902 L79M05T-FA

16-149 (a1)

16-149 (a1)

UVW-1800/1600 UVW-1800P/1600P

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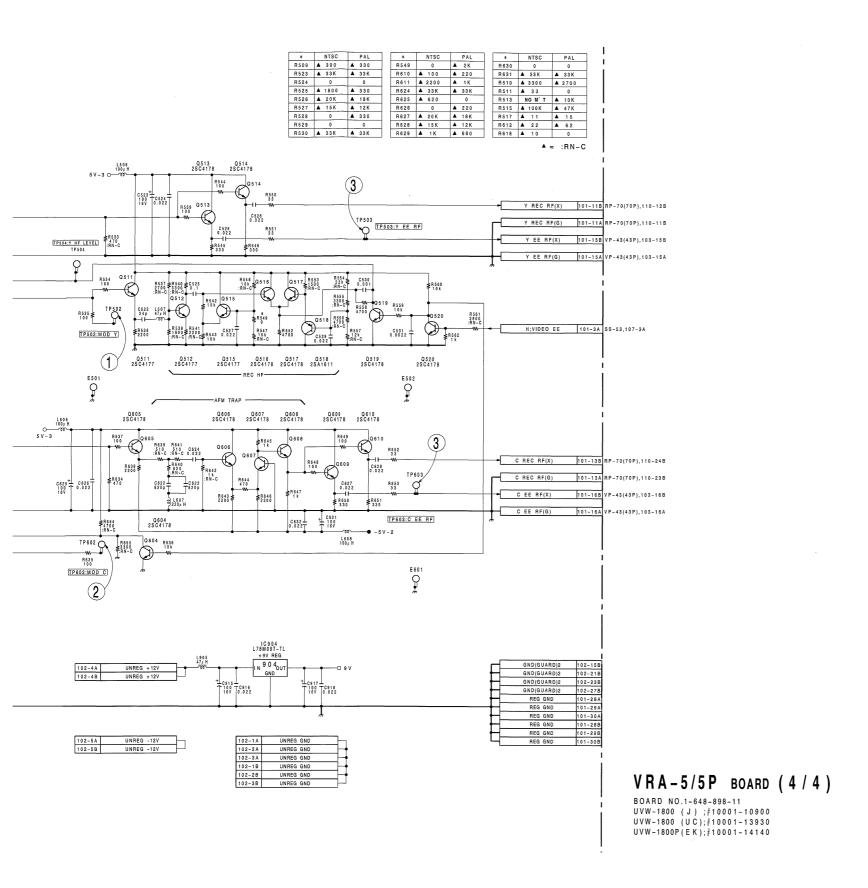
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UVW-1800/1600

UVW-1800P/1600P

16-149 (a2)

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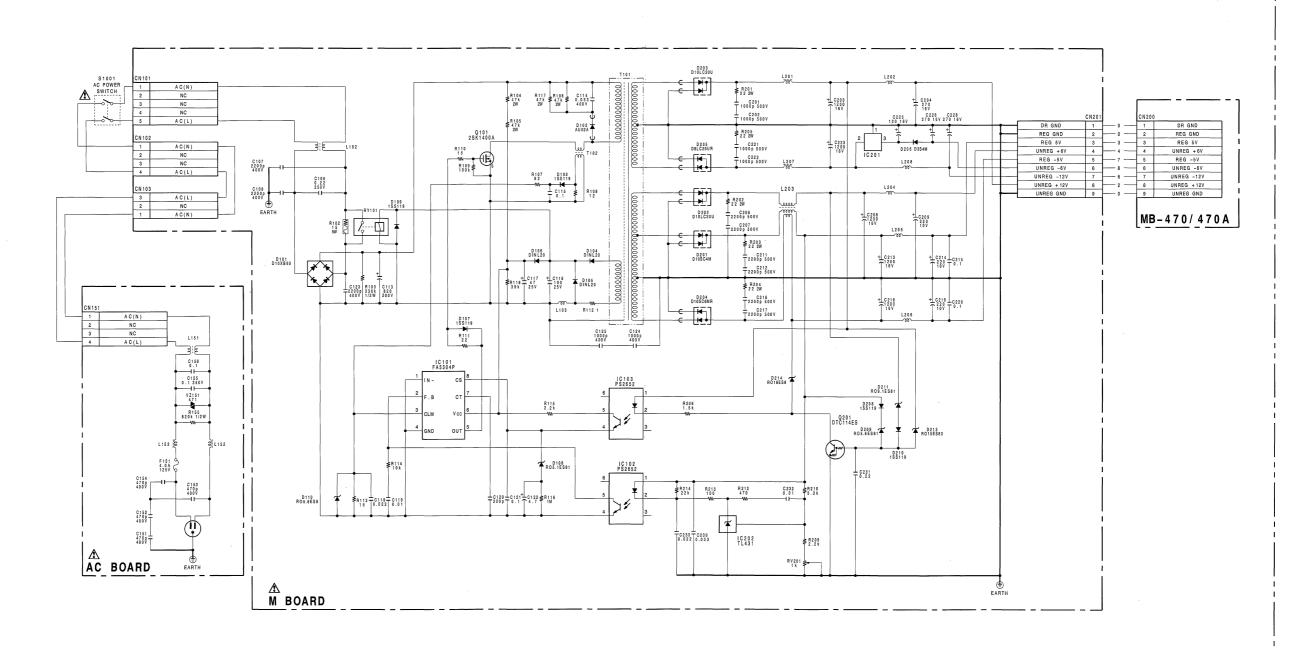
16-149 (a2)

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## SOPS-1045 BOARD

BOARD NO.1-649-935-11 UVW-1800(J);#10001-UVW-1800(UC);#10001-UVW-1600(J);#10001-UVW-1600(UC);#10001-

16-151 (1)

16-151 (1)

UVW-1800/1600 UVW-1800P/1600P

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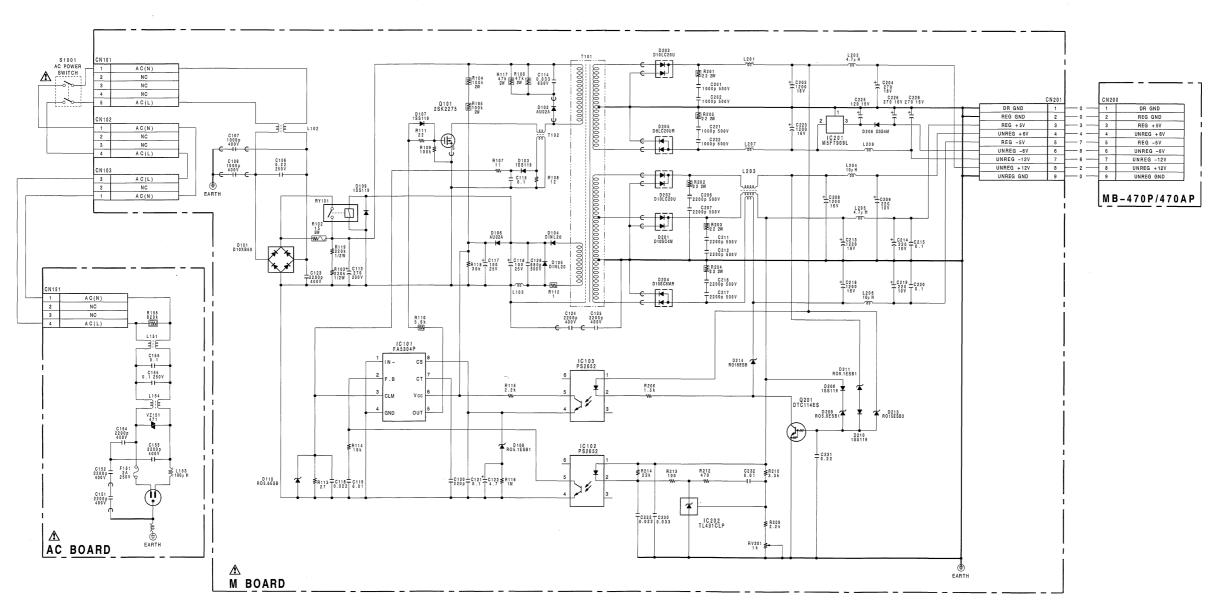
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# SOPS-1046 BOARD

BOARD NO.1-413-925-11,12 UVW-1800P(EK);#10001-UVW-1600P(EK);#10001-

	1800P	1600P
-11	-	S/N 10001-10600
-12	S/N 10001-	S/N 10601-

UVW-1800/1600 UVW-1800P/1600P 16-151 (2)

Κ

16-151 (2)

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UVW-1800 ( J ) ; Serial \, No.10901 and higher \,UVW-1800 (UC); Serial \, No.13931 and higher
    UVW-1800P(EK); Serial
                                                                                              No.14141 and higher
  UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher
  UVW-1600P(EK); Serial No.13781 and higher
MB-470/470A/470P/470AP(1/4); MOTHER BOARD
                                                                                                                                                                                                                              VRA-5/5P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VP-43/43A/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VP-43/43A/43P/43AP
                                                                                           VRA-5/5P
                                                                                                                                                                                                                                                                                                                           VRA-5/5F
                                                                                                                            1 REG GND
2 REG GND
3 NC
                                                                                                                                                                                                                                                                                                               UNREG GND
                                                                                                                                                                                                                                                                                                                                                            1 UNREG GND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      101-1-2
                                                                                                                                                                                                                                                                       200-9
                                                                                                                                                                                    103-1-2
                                                                                                                                                                                                                                                                                                                                                                                                                     104-1 - 2 - 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    105-1 • 2
                                                                                                                                                                                                                                                                                                                                                            2 UNREG GND
3 UNREG GND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REG GND
H:VIDEO EE
                                        200-1
103-3A,105-3A
                                                                                REG GND
                                                                                                                                                                                                                                                                         00-9
                                                                                                                                                                                                                                                                                                                UNREG GND
                                                                                                                                                                                                                                                                                                                                                                                                                     104-1 • 2 • 3
                                                                                H:VIDEO EE
                                                                                                                                                                                                                                                                         00-9
                                                                                                                                                                                                                                                                                                               UNREG GND
                                                                                                                                                                                                                                                                                                                                                                                                                     104-1 • 2 • 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  108-12B,214-33B
                                                                                                                                                                                                                                                                                                                UNREG + 12V-2
                                                                                                                                                                                                                                                                                                                                                              4 UNREG + 12V-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       105-4A,107-4A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               L:FWD/REV X13
L:JIG EXIST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 TRACKING CONT(X
5 L:NO SIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  108-23A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      108-23B
105-6A,107-6A
                                                                                                                                                                                                                                                                                                               UNREG -12V-2
                                                                                                                                                                                                                                                                                                                                                              5 UNREG -12V-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 C SW PLS
7 LTC EQ(X)
8 VP SPARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y SW PLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    105-6B,107-6B
                                                                                                                                                                                                                                                                                                                                                            7 NC
8 S DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LTC EQ(G)
L:SLOW BID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   231-11
107-17B
                                                                                                                                                                                                                                                                                                                                                                                                                     106-16A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9 Y A PB RF()
                                                                                                                                                                                                                                                                                                                                                             9 SCK
                                                                                                                                                                                                                                                                                                                                                                                                                    106-17A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      211-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  211-9
                                                                                                                                                                                                                                                                                                                                                             10 STRB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Y B PB RF(G)
                                                                                Y REC RF(G)
                                                                                                                                                                                                                                                                                                                                                            11 NC
12 NC
13 NC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 GND(GUARD)1
12 C A PB RF(X)
13 C B PB RF(X)
                                                                                                                               11 Y REC RF(X)
                                       211-12
                                                                                                                                                                                    211-11
                                                                                                                             12 NC
13 C REC RF(X)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     211-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C A PB RF(G)
                                                                                C REC RF(G)
                                                                                                                                                                                     211-5
                                       211-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14 GND(GUARD)1
15 Y EE RF(X)
                                                                                                                             15 Y EE RF(X)
16 C EE RF(X)
                                                                                                                                                                                                                                                                        271-8
                                                                                                                                                                                                                                                                                                              INPUT Y(G)
                                                                                                                                                                                                                                                                                                                                                             16 INPUT Y(X)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16 C EE RF(X)
17 GND
18 DEMOD Y(X)
                                       103-16A
                                                                                C EE RF(G)
                                                                                                                                                                                    103-16B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      101-16A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C EE RF(G)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  101-16B
                                                                                                                                                                                                                                                                                                                                                              17 NC
18 INPUT R-Y(X)
                                                                                                                               17 NC
18 L:MAINTE MODE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NC
DEMOD Y(G)
                                                                                                                                                                                                                                                                                                               NC
INPUT R-Y(G)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NC
105-18B
                                                                                                                                                                                                                                                                                                                                                                                                                    271-9
                                                                                L:RGB INPUT SEL
                                                                                                                                                                                     105-148,107-188,231-2
                                                                                                                                                                                                                                                                         71-10
                                       107-16A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 DEMOD Y(X)

19 DEMOD C(X)

20 L-OXIDE/H:METAL

21 C DO PLS

22 L:NOISE LESS PB

23 UNREG -8V

24 REG -5V

25 UNREG +6V

26 REG +5V

27 REG +5V

28 REG SDD

29 REG GND

30 REG GND
                                       107-19A
107-20A
                                                                              L:COMPOSITE
H:STD/L:NON STD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DEMOD C(G)
SV DO PLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                105-19B
108-24B,106-18B
                                                                                                                                 9 L:COMPONENT
                                                                                                                                                                                                                                                                                                                                                            19 NC
20 INPUT B-Y(X
                                                                                                                                                                                                                                                                                                               INPUT B-Y(G)
                                                                                                                                21 INPUT FP2
                                                                                                                                                                                    107-21B
                                                                                                                                                                                                                                                                                                                                                             21 GND(GUARD)2
                                       107-21A
                                                                               INPUT FP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      105-21A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y DO PLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 105-21B
                                                                                                                          21 INPUT FP2
22 REC CF ID
23 UNREG -8V
24 REG -5V
25 UNREG +6V
26 REG +5V
27 REG +5V
28 REG GND
                                                                                                                                                                                                                                                                       271-2
                                                                                                                                                                                                                                                                                                               INPUT VIDEO(G)
                                                                                                                                                                                                                                                                                                                                                              22 INPUT VIDEO(X)
23 GND(GUARD)2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      106-20A
101-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TBC SPEED
                                       107-22A
                                                                               UNREG -8V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UNREG -8V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 105-23
                                                                              REG -5V
UNREG +6V
                                                                                                                                                                                    103-24
103-25
                                                                                                                                                                                                                                                                                                               INPUT S-Y(G)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REG -5V
UNREG +6V
                                                                                                                                                                                                                                                                       271-6
                                                                                                                                                                                                                                                                                                                                                                     INPUT S-Y(X
                                                                                                                                                                                                                                                                                                                                                                                                                     271-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      101-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  105-24
                                                                                                                                                                                                                                                                                                                                                            25 NC
26 INPUT S-C(X)
                                     200-4
200-3
200-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    105-25
                                                                                                                                                                                                                                                                                                               INPUT S-C(G)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     101-26 · 27
101-26 · 27
101-28 · 29 · 30
                                                                              REG +5V
REG +5V
                                                                                                                                                                                                                                                                       271-4
                                                                                                                                                                                    103-26 - 27
                                                                                                                                                                                                                                                                                                                                                                                                                     271-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REG +5V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  105-26 • 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REG +5V
REG GND
                                                                                                                                                                                                                                                                                                                                                                     GND(GUARD)2
                                      200-2
                                                                               REG GND
                                                                                                                                                                                    103-28 - 29 - 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  105-28 - 29 - 30
                                                                             REG GND
                                                                                                                            29 REG GND
30 REG GND
                                                                                                                                                                                   103-28 • 29 • 30
                                                                                                                                                                                                                                                                                                             REG GND
                                                                                                                                                                                                                                                                                                                                                              29 REG GND
                                                                                                                                                                                                                                                                                                                                                                                                                     104-29 - 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REG GND
                                                                                                                                  * F1 A UNREG -12V-2
                                                                            # F2 UNREG -12V-2

# F3 UNREG +12V-2

# F3 UNREG +12V-3
                                                                                                                                                              UNREG + 12V
                                                                                                                                  103-13B
103-13A
103-12B
101-13B
101-13B
103-10B
103-9B
103-9A
103-9A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               201-1:
201-3
201-3
201-4
201-6
                                                                                                                                                                                   2000-
2000-
2000-
2000-
752
752
                                                                                                                                                                                                                                                                                                          C B PB RF(X)
C A PB RF(B)
C A PB RF(X)
C REC RF(X)
C REC RF(X)
Y B PB RF(G)
Y B PB RF(G)
Y A PB RF(G)
Y A PB RF(X)
Y A PB RF(X)
Y A PB RF(X)
Y A PB RF(X)
                                                                                                                                                                                 REG GND
REG 46V
UNREG +6V
NNREG -6V
UNREG -12V-2
UNREG -12V-2
UNREG -12V-2
                                                                                                                                                                                                                                                                                                            - 2 6 4 6 6 7 6 6 7 7 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 6 4 6 6 6
                                                                                                                                                                                                                                                                                                         M B-471/A,261-4
                                                                               - MS SW - - MS S
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16-153 (b1)

16-153 (b1)

UVW-1800/1600 UVW-1800P/1600P **H** 

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3 A P			·					TBC-25/25P					_
	VP-43/43A/43P/43AP	CNICA	` ¬		TBC-25/25P	CN105				700.05/050	01140		$\overline{}$
	A A	B B			1BC-25/25P	UN 105		一.		TBC-25/25P A	CN10	В В	+
02-1 • 2 • 3	UNREG GND	1 UNREG GND	106-1 - 2 - 3	103-1 • 2	REG GND	1 REG GND	107-1 • 2	104-1•		UNREG GND	1		109-1 • 2 • 3
02-1 • 2 • 3	UNREG GND UNREG GND	2 UNREG GND 3 UNREG GND	106-1 • 2 • 3	103-1 · 2 107-3A,103-3A	REG GND H:VIDEO EE	2 REG GND 3 L:NOISE LESS P	107-1 · 2 B 107-3B,103-22B	104-1•		UNREG GND UNREG GND	2	UNREG GND UNREG GND	109-1 • 2 • 3
02-4	UNREG + 12V	4 UNREG + 12V	106-4	107-4A,103-4A	L:FWD/REV X13	4 H:FWD/L:REV	107-48	104-1		UNREG + 12V-2		UNREG + 12V-2	109-1-2-3
02-5	UNREG -12V	5 UNREG -12V	106-5	107-5A	L:TBC MUTE	5 L:NO:SIG	103-5B,107-5B	104-5		UNREG -12V-2		UNREG -12V-2	109-5
07-16B	L:RGB OUTPUT SEL	6 NC		107-6A,103-6A	Y SW PLS	6 C SW PLS	103-6B,107-6B	267-1		INPUT REF(G)		INPUT REF(X)	267-2
06-7A 06-8A	TBC' d Y(G) TBC' d B-Y(G)	7 TBC'd Y(X) 8 TBC'd B-Y(X)	106-7B 106-8B	107-7A,104-26A 107-8A	HD REF SYNC	7 PB SYNC 8 REF 1ST FIELD	107-7B 107-8B	104-7A		TBC' d Y(G) TBC' d B-Y(G)	7 8		104-7B 104-8B
06-9A	TBC' d R-Y(G)	9 TBC' d R-Y(X)	106-9B	107-9A	VD	9 SERVO V	107-9B	104-94		TBC' d R-Y(G)	9		104-9B
	NC	10 GND(GUARD)3		107-10A	L:FWD/REV X15	10 H:EXT SC DET	107-10B			NC		GND(GUARD)3	
06-11A 06-12A	U AXIS SC(G)	11 U AXIS SC(X)	106-11B	107-11A	H:EXT SYNC DET	11 PB FP1	107-11B	104-11		U AXIS SC(G)		U AXIS SC(X)	104-11B
U6-12A	V AXIS SC(G)	12 V AXIS SC(X) 13 GND(GUARD)	106-12B	107-12A 107-13A	PB FP2 TAPE SPEED	12 L:SYNC DELAY 13 L:CS TBC	107-12B 107-13B	104-12		V AXIS SC(G)		V AXIS SC(X) GND(GUARD)3	104-12B
68-3	OUTPUT S-Y(G)	14 OUTPUT S-Y(X)	268-4		NC	14 L:MAINTE MODE	101-188,107-188,231-	24 267-6		DUB INPUT REF(G)		DUB INPUT REF(X)	267-7
68-1	OUTPUT S-C(G)	15 OUTPUT S-C(X)	268-2		NC	1 5 NC				NC		NC	
69-5	OUTPUT Y 1(G)	16 GND(GUARD)3 17 OUTPUT Y 1(X)	269-6	107-18A	NC TBC SPARE	1 6 NC 1 7 GND	NC	102-88		S DATA SCK		NC NC	+
88-9	OUTPUT Y 2(G)	18 OUTPUT Y 2(X)	268-10	103-18A	DEMOD Y(G)	18 DEMOD Y(X)	103-18B	102-98		STRB		L:OXIDE/H:METAL	108-24B,103-20B
69-1	OUTPUT B-Y 1(G)	19 OUTPUT B-Y 1(X)	269-2	103-19A	DEMOD C(G)	19 DEMOD C(X)	103-19B			GND(GUARD)3	19	H:WIDE	104-26B,107-17A
88-13	OUTPUT B-Y 2(G)	20 OUTPUT B-Y 2(X)	268-14		NC	2 0 GND ·	NC	103-22		TBC SPEED		OUTPUT SYN.C	104-27B
89-3 88-11	OUTPUT R-Y 1(G) OUTPUT R-Y 2(G)	21 OUTPUT R-Y 1(X) 22 OUTPUT R-Y 2(X)	269-4 268-12	103-21A	Y DO PLS	21 C DO PLS 22 H:CHROMA MUTE	103-21B 107-20B	104-23	A , 262-8	ENC CLAMP L:SYSTEM RESET		ENC BLANK LOCAL SYNC PHASE	104-28B 262-10
06-21A		23 GND(GUARD)3		103-23	UNREG -8V	23 UNREG -8V	107-23			SERIAL CLOCK		L:SERIAL READY	109-23B,262-5
68-5		24 OUTPUT VIDEO 1(X)	268-6	103-24	REG -5V	24 REG -5V	107-24	109-24	A,262-4	SERIAL RX	2 4	SERIAL TX	109-24B
68-7 05-7A,107-7A	OUTPUT VIDEO 2(G)	25 OUTPUT VIDEO 2(X) 26 H:WIDE	268-8 106-19B,107-17A	103-25 103-26 · 27	UNREG +6V REG +5V	2.5 UNREG +6V 2.6 REG +5V	107-25	232-7		REMOTE SYNC PHASE		LOCAL SC PHASE	262-11
07-15A	CHARA FRAME	27 OUTPUT SYNC	106-19B,107-17A	103-26 • 27	REG +5V	27 REG +5V	107-26 • 27	232-9		SET UP		HUE OUTPUT VIDEO LEVEL	232-8
07-15B		28 ENC BLANK	106-21B	103-28 - 29 - 30	REG GND	28 REG GND	107-28 - 29 - 30	232-13	3	OUTPUT CHROMA LEVE	L 28	Y/C DELAY	232-12
02-29:30	REG GND REG GND	29 REG GND 30 REG GND	106-29 • 30	103-28 · 29 · 30	REG GND	29 REG GND 30 REG GND	107-28 • 29 • 30	104-29		REG GND - REG GND		REG GND	109-29:30
		1 0 1 11 11 11 11 11 11 11 11 11 11 11 1	1337.33		1,122 2,12	1.30   1.30	100 20 00	107-20	`	ned ditt	100	THE CHE	100-23 - 00
	109-26A 109-26B 109-25B 1108-25A 1108-26A 1108-26A 1108-27B 1108-27B	22 0UT	< m 4	30	30 30 1106-24A 1106-28A 1106-28A 1106-28A		UNREG +12V	UNREG +6V UNREG -6V	REC -5V IC NJM781	:1 M09FA	J <sub>m</sub> − 2	DR GND UNREG GND FRAME GND	
N232 I FRAME GND	2 FRAME GND  8 RX(+)  5 TX(+)  7 REMOTE SYNC PHASE  8 HUE TS CPHASE  10 OUTDUT VIDEO LEVEL  11 SET UP  2 YG. DE LAY  13 OUTPUT CHOOMA LEVEL	REG -eV FIEG +9V REG GND REG GND	M235  1 SINCS VCC 1108-25 2 SINCS DATA 108-25 3 SINCS GND 108-26		2 REG GND 106-281-381-381-381-381-381-381-381-381-381-3	REG + 5V UNREG + 12V-2 UNREG + 12V-2	CN101,CN102 · · · UVW-	UNREG +12	NJM791 REG	REG -9V			

UVW-1800/1600 UVW-1800P/1600 16-153 (b2)

16-153 (b2)

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UVW-1800 ( J ) ; Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher MB-470/470A/470P/470AP(2/4); MOTHER BOARD SS-53 SS-53 CN108 1 REG GND REG GND 105-1 • 2 214-10B 1 DRUM CURRENT 214-11B REG GND 2 REG GND 14-12B CAPSTAN ERROR 2 CAPSTAN CURRENT 214-13B 105-3A,103-3A H:VIDEO EE 3 L:NOISE LESS PB 4 H:FWD/L:REV 105-3B 214-14B S REEL POWER CONT 3 S REEL ERROR 105-4A,103-4A L:FWD/REV X13 S REEL CURRENT 105~4B 214-16B 4 SOL CURRENT 214-17B 5 L:NO SIG 6 C SW PLS L:TBC MUTE 105-5B,103-5B 5 DRUM PG 214-19B S REEL FG B 105-6A.103-6A Y SW PLS 105-6B,103-6B 214-20B 6 S REEL FG A 7 PB SYNC 105-7A,104-26A 105-7B 214-22B L:TAPE END 7 CAPSTAN DIR CON 214-23B 105-8A REF SYNC 8 REF 1ST FIELD 105~8B 14-24B CAPSTAN FG A 8 CAPSTAN FG B 214-25B 105-9A 9 SERVO V 105-9B 14-26B ADJUST +11V CAPSTAN FG A NORM 214-27B L:FWD/REV X15 10 H:EXT SC DET 105-10A CAPSTAN FG B NORM 105-10B 214-28B 10 ADJUST GND 214-29B H:EXT SYNC DET PB FP1 S TENSION 105-11B 214-30B 11 ADJUST +5V 214-31B H:CTL GAIN UP 105-12A PB FP2 L:SYNC DELAY 105-12B 214-32B 12 CTL SIG 214-33B,103-3B TAPE SPEED 13 L:CS TBC 105-13A 105~13B 214-34B 13 REC CTL 214-35B 103-8A L:SLOW BID 14 SV DO PLS 103-20A H:CTL REC 14 L:TAPE TOP 14-36B 214-37B 104-27A CHARA FRAME CHARA SIG 104-28B 14-38B THREADING FG 15 H:UNTH END 214-39B 101-18A L:RGB INPUT SEL L:RGB OUTPUT SE H:TH END 104~6A 214-40B 16 EMERGENCY MS RESET 214-41B 106-19B,104-26B H:WIDE VP SPARE 103-8B 14-42B 1/2 VD 17 SERVO SCK 214-43B 105-17A TBC SPARE L:MAINTE MODE 231-24,105-148,101-18 214-44B SERVO SI 18 SERVO SO 214-45B L:COMPOSITE 101-19A L:COMPONENT 101-19B 214-46B T REEL FG B 19 T REEL FG A 214-47B H:STD/L:NON STD 105-22B T REEL POWER CONT 20 T REEL ERROR 214-49A 101-21B 101-22B 101-21A INPUT FP1 INPUT FP2 214-50A T REEL CURRENT 21 THREADING ERROR 214-50B INPUT SYNC 101-22A TH/UNTH POWER CONT 22 L:MS BUSY 214-49B 214-48B HEG TOV REG +5V 105-23 UNREG -8V 105-23 103-4B TRACKING CONT(X) 23 L:JIG EXIST 103-5A 105-24 REG -5V SV SPARE 24 L:OXIDE/H:METAL 103-20B,106-18B 214-3 235-1 105-25 UNREG +6V SIRCS VCC 25 SIRCS DATA 235-2 105-26 • 27 REG +5V 235-3 SIRCS GND 105-26 - 27 REG +5V 214-4 REG GND 214-1 105-28 - 29 - 30 28 REG GND NC 28 NC 29 NC 29 REG GND 30 REG GND 105-28 • 29 • 30 REG GND 104-19A 104-19B 104-21A 104-21B 104-17A 106-6A 106-6B 200-5 200-2 200-3 106-14A 106-14B 1004 1(X) 2(X) 2(X) OUTPUT S-C(6)
OUTPUT S-C(X)
OUTPUT S-C(X)
OUTPUT S-Y(X)
OUTPUT VIDEO 1(6)
OUTPUT VIDEO 2(X)
OUTPUT VIDEO 2(X)
OUTPUT Y 2(X)
OUTPUT Y 2(X)
OUTPUT R-Y 2(X)
OUTPUT R-Y 2(X)
OUTPUT B-Y 2(X)
OUTPUT B-Y 2(X) INPUT REF(X)
REG -5V
REG GND
REG +6V
DUB INPUT REF

16-155 (b1)

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16-155 (b1)

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UVW-1800/1600 UVW-1800P/1600P **H** 

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MB-470/470A MB-470P/470AP BOARD (2/4)

BOARD NO.1-648-918-12,22 UVW-1800 (J); #10901-UVW-1800 (UC); #13931-UVW-1800 (EK); #14141-UVW-1600 (J); #10601-UVW-1600 (UC); #12901-UVW-1600 (EK); #13781-

UVW-1800/1600 UVW-1800P/1600P 16-155 (b2)

16-155 (b2)

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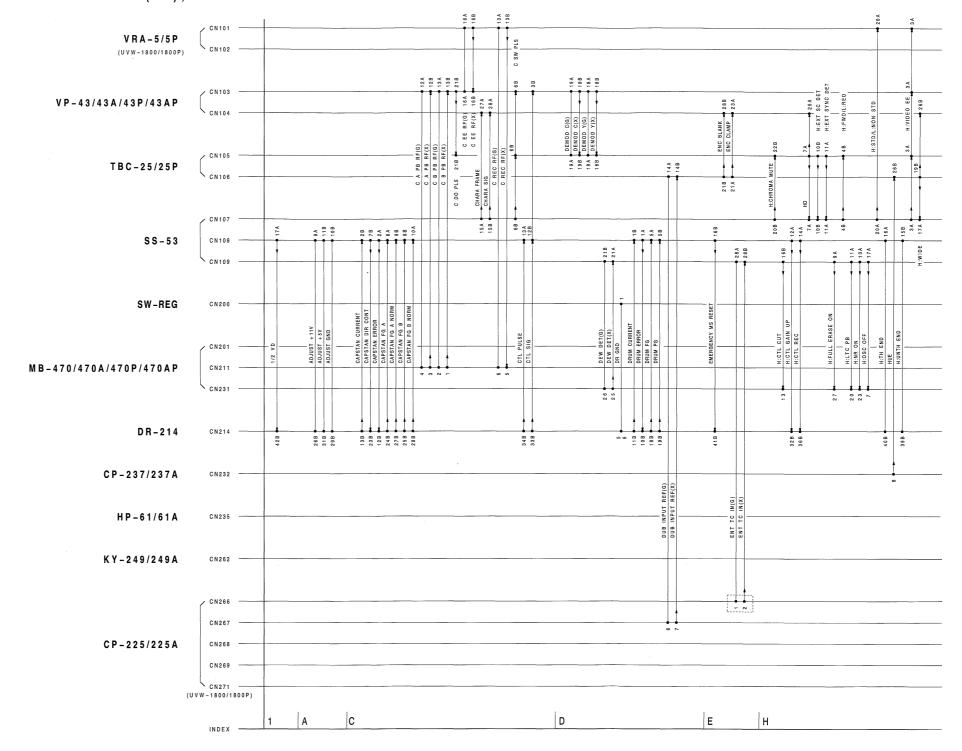
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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher

MB-470/470A/470P/470AP(3/4);MOTHER BOARD



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16-157 (b1)

UVW-1800/1600 UVW-1800P/1600P Н

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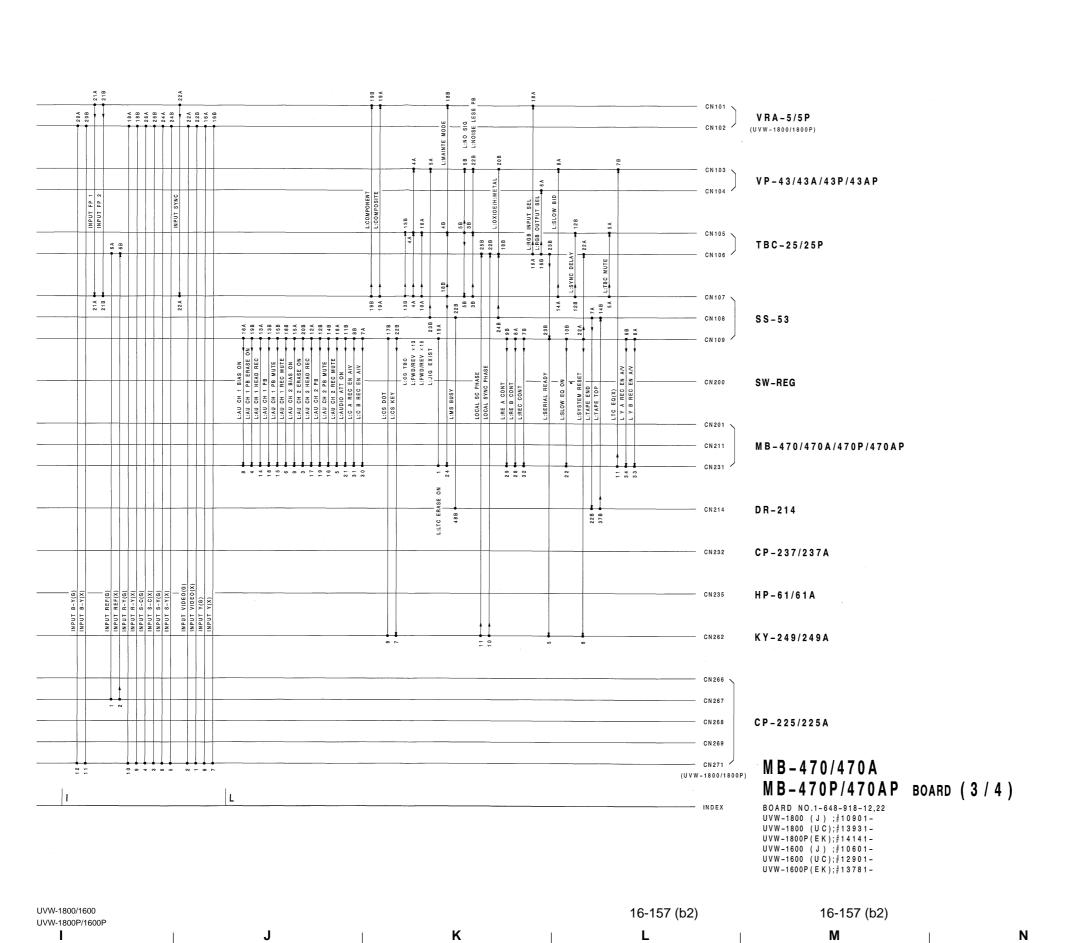
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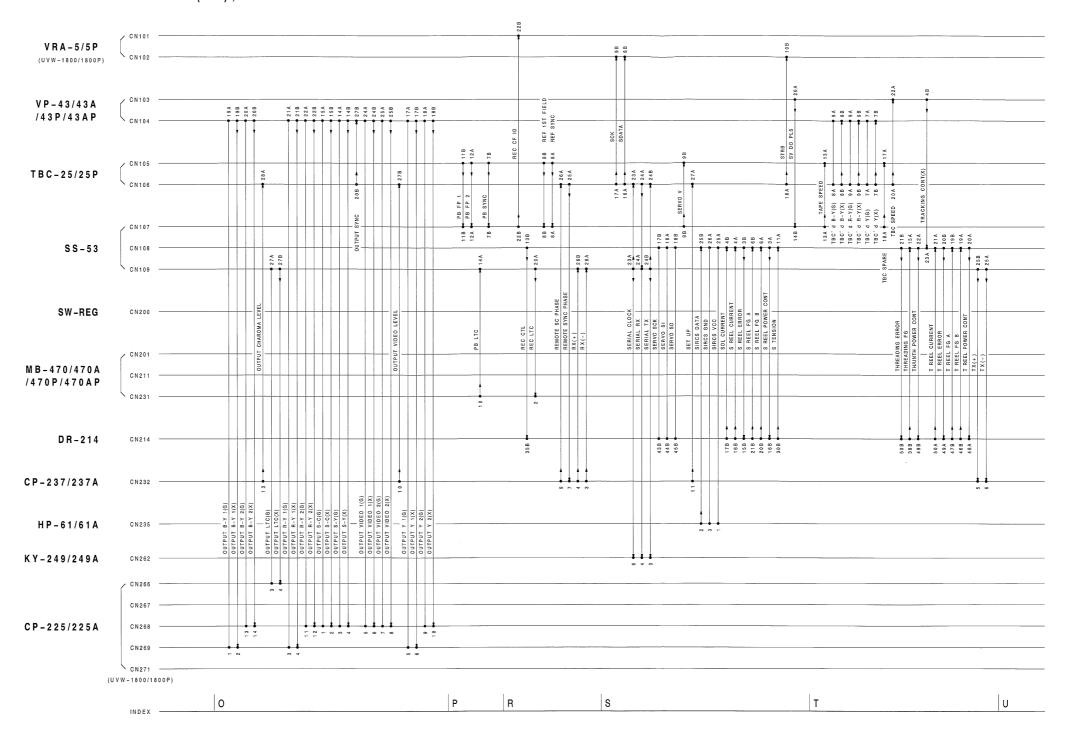
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MB-470/470A/470P/470AP(4/4); MOTHER BOARD



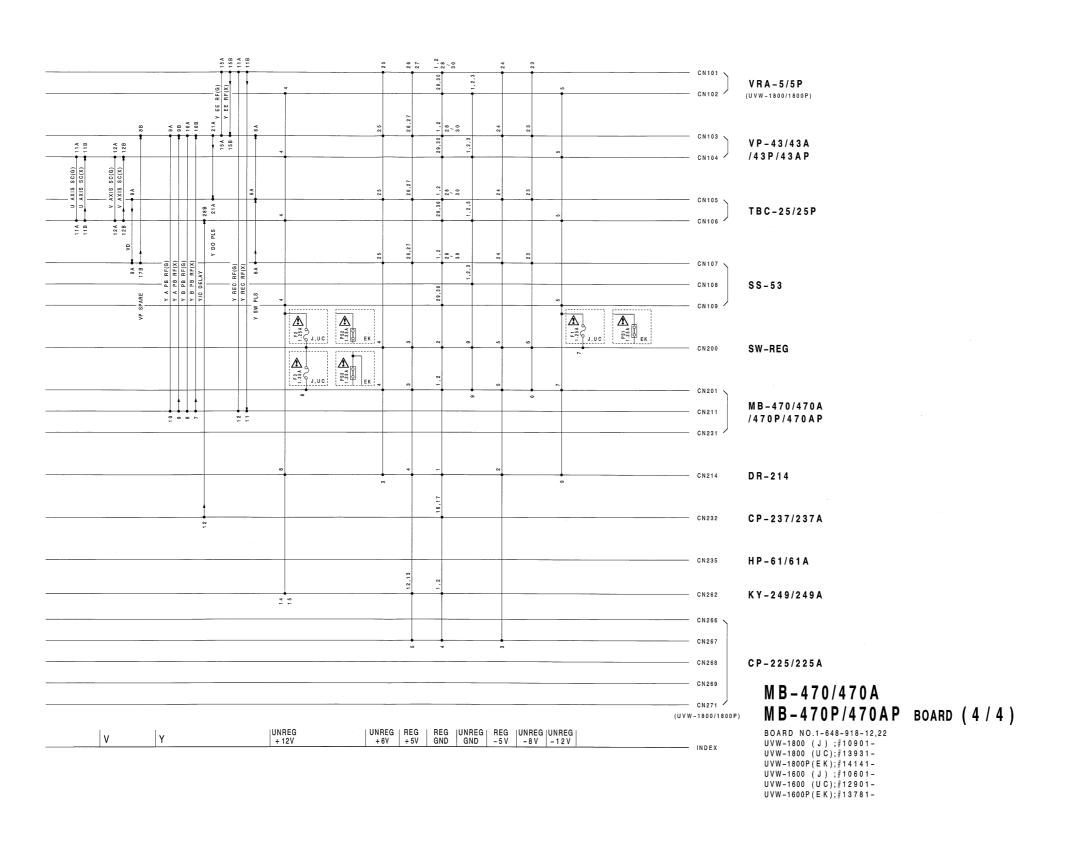
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UVW-1800/1600 UVW-1800P/1600P 16-159 (b2)

16-159 (b2)

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UVW-1800P(EK); Serial No.10001 1 REG GND 2 REG GND REG GND 100 > 103-3A.105-3A H:VIDEO EE Y REC RF(G) 101 > 211-12 102 > 211-6 C REC RF(G) Y EE RF(G) 103 > 103-15A 104 > 103-16A C EE RF(G) 105 > 107-16A 106 > 107-19A 107 > 107-20A L:RGB INPUT SEL L:COMPOSITE H:STD/L:NON STD INPUT FP1 INPUT SYNC 107 20A 108 107-21A 109 107-22A -8V 200-6 -5V 200-5 UNREG -8V REG -5V 6 V - 200-4 UNREG +6V 5 V O 200-3 5 V O 200-3 REG +5V 3 200-2 3 200-2 200-2 REG GND 28 REG GND 29 REG GND REG GND 30 REG GND

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UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780 MB-470/470A/470P/470AP(1/4); MOTHER BOARD

VP-43/43A/43P/<u>43AP</u> VRA-5/5P VP-43/43A/43P/43AP 1 UNREG GND 2 UNREG GND 3 101-1·2 101-1·2 100 > 105-3A,101-3A 104-1 • 2 • 3 REG GND 1 REG GND 2 REG GND 200-9 105-1 • 2 200-9 REG GND UNREG GND 20u- 200-8 -12V ► 200-7 UNREG GNO 3 UNREG GND 104-1-2-3 H:VIDEO EE 3 CTL SIG 108-12B.214-33B 4 UNREG +12V 5 UNREG -12V 4 TRACKING CONT L:FWD/REV X13 108-23A UNREG -12V 104-5 134 > 108-23B L:JIG EXIST 105-5B,107-5B 6 NC
7 NC
8 S DATA
9 SCK
10 STRB 135 > 105-6A,107-6A Y SW PLS LTC EQ(G) 6 C SW PLS 7 LTC EQ(X) 136 > 231-12 137 > 107-14A 138 > 211-10 139 > 211-8 106-16A 106-17A L:SLOW BID Y A PB RF(G 8 VP SPARE 9 Y A PB RF( 107-17B 211-9 **~**152 106-18A Y B PB RF(G) 10 Y B PB RF(X) 211-7 **~**154 11 GND(GUARD) 12 C A PB RF(X) Y REC RF(X) **~**110 NC C A PB RF(G) 211-3 13 C B PB RF(X)
14 GND(GUARD)
15 Y EE RF(X) C REC RF(X) 211-5 **~**111 141 > 211-2 C B PB RF(G) 211-1 **≺**156 NC Y EE RF(G) Y EE RF(X) 103-15B 15 GND(GUARD)2 103 > 101-15A 101-15B **-** 112 16 INPUT Y(X)
17 NC
18 INPUT R-Y(X) 118 > 271-8 INPUT Y(G) **~**127 C EE RF(G) 16 C EE RF(X) 101-16B 142 > 105-18A 143 > 105-19A 144 > 107-14B L:MAINTE MODE L:COMPONENT 105-14B,107-18B,231-107-19B INPUT R-Y(G) **≺**128 DEMOD Y(G) DEMOD C(G) 18 DEMOD Y(X)
19 DEMOD C(X) 105-18B 105-19B 119 > 271-10 19 NC 20 INPUT B-Y(X) INPUT B-Y(G) **~**129 120 > 271-12 SV DO PLS 20 L:OXIDE/H:METAI 21 C DO PLS 108-24B,106-18 **-** 159 INPUT FP2 107-21B 107-22B 21 GND(GUARD)2 22 INPUT VIDEO(X 145 > 105-21A 146 > 106-20A Y DO PLS TBC SPEED INPUT VIDEO(G) 22 L:NOISE LESS PB 23 UNREG -8V 24 REG -5V 105-3B,107-3 **~**161 -8V ■ 101-23 -5V ● 101-24 3 UNREG -8V 4 REG -5V 103-23 23 GND(GUARD)2 24 INPUT S-Y(X) UNREG -8V REG -5V 105-23 -BI -8V INPUT S-Y(G) 25 NC
26 INPUT S-C(X)
27 GND(GUARD)2
28 NC
29 REG GND
30 REG GND 25 UNREG +6V 26 REG +5V 27 REG +5V 6V □ 101-25 5 UNREG +6V 103-25 —□6V UNREG +6V 105-25 -□ 6 V INPUT S-C(G) 2 6 REG + 5V 2 7 REG + 5V --05V ---05V 123 > 271-4 5 V O 101-26 · 27 5 V O 101-26 · 27 REG +5V REG +5V 103-26 - 27 105-26 • 27 -O 5 V 3 101-28 · 29 · 30 3 101-28 · 29 · 30 101-28 · 29 · 30 101-28 · 29 · 30 103-28 • 29 • 30 REG GND 28 REG GND 29 REG GND 05-28 • 29 • 3 104-29 • 30 105-28 - 29 - 30 103-28 - 29 - 30 REG GND 30 REG GND 105-28 - 29 - 30 ŸŸŸŸŸŸŸŸŸŸŶŶ 201 201 201 201 201 201 201 201 C B PB RF(X)
C B PB RF(G)
C A PB RF(X)
C REC RF(X)
C REC RF(X)
Y B PB RF(G)
Y B PB RF(X)
Y A PB RF(X) 9 2 8 4 9 2 8 

16-153 (a1)

16-153 (a1)

UVW-1800/1600 UVW-1800P/1600P Н

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UVW-1600 (UC);#10001-12900 UVW-1600P(EK);#10001-13780

UVW-1800/1600 UVW-1800P/1600P Κ 16-153 (a2)

16-153 (a2)

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UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780 MB-470/470A/470P/470AP(2/4); MOTHER BOARD SS-53 CN10 CN108 105-1⋅2 REG GND 1 REG GND 277 > 214-10B DRUM ERROR DRUM CURRENT 214-11B 105-1 • 2 2 REG GND 278 > 214-12B CAPSTAN ERROR CAPSTAN CURRENT REG GND **≺**300 214-13B 100 > 105-3A,105-3A H:VIDEO EE L:NOISE LESS PB 105-3B 279 > 214-14B S REEL POWER CONT S REEL ERROR 133 > 105-4A,103-4A L:FWD/REV X13 **~**208 4 H:FWD/L:REV 105-4B 280 > 214-16B S REEL CURRENT SOL CURRENT 214-17B - ⟨302 200 > 105-5A 135 > 105-6A,103-6A L:TBC MUTE L:NO SIG 105-5B,103-5B 281 > 214-18B DRUM FG DRUM PG -<303 214-19B Y SW PLS C SW PLS 105-6B,103-6B **~**150 282 > 214-20B S REEL FG B S REEL FG A 179 > 105-7A,104-26A PB SYNC 105-7B **~**209 283 > 214-22B L:TAPE END CAPSTAN DIR CONT 214-23B - 305 201 > 105-8A REF SYNC 8 REF 1ST FIELD CAPSTAN FG A 284 > 214-24B CAPSTAN FG B 105-8B **≺**306 214-25B 202 > 105-9A 203 > 105-10A 285 > 214-26B 286 > 214-28B 9 SERVO V 105-9B ADJUST +11V CAPSTAN FG A NORM L:FWD/REV X15 10 H:EXT SC DET **~**212 105-10B CAPSTAN FG B NORM ADJUST GND 214-29B -<308 204 > 105-11A H:EXT SYNC DE PB FP1 **≺**213 287 214-30B S TENSION 105-11B **-**₹309 ADJUST +5V 214-31B 205 > 105-12A PR FP2 L:SYNC DELAY 105-12B 288 > 214-32B H:CTL GAIN UP 214-33B,103-3B 206 > 105-13A TAPE SPEED 13 L:CS TBC 105-13B **~**215 289 > 214-34B CTL PULSE 13 REC CTL 214-35B - ₹310 137 > 103-8A L:SLOW BID SV DO PLS 103-20A 290 > 214-36B H:CTL REC L:TAPE TOP **≺**311 214-37B 180 > 104-27A CHARA FRAME CHARA SIG 104-28B **~**181 291 > 214-38B THREADING FO 105 > 101-18A L:RGB INPUT SE 16 L:RGB OUTPUT SE 104-6A **~**162 292 > 214-40B H:TH END 16 EMERGENCY MS RESET 214-41B - ₹313 197 > 106-19B,104-26B VP SPARE H:WIDE 293 > 214-42B 103-8B 1/2 V D SERVO SCK **-∢**314 214-43B 207 > 105-17A TBC SPARE L:MAINTE MODE 231-24,105-14B,101-294 > 214-44B SERVO SI SERVO SO 106 > 101-19A 295 > 214-46B L:COMPOSITE 19 L:COMPONENT 101-19B **~**115 T REEL FG B T REEL EG A 214-47B **-**≺316 107 > 101-20A 296 > 214-48A H:STD/L:NON ST H:CHROMA MUT **~**216 REEL POWER CONT REEL ERROR **-**317 105-22B 214-49A 108 > 101-21A INPUT FP1 INPUT FP2 101-21B 297 > 214-50A T REEL CURRENT THREADING ERROR 214-50B 109 > 101-22A INPUT SYNC 22 REC CF ID 101-22B **~**117 298 > 214-49B TH/UNTH POWER CONT L:MS BUSY 214-48B **-**₹319 -8 V ■ 105-23 UNREG -8V 23 UNREG -8V 105-23 -- BU - 8V 148 > 103-4B TRACKING CONT(X) 23 L:JIG EXIST 103-5A **├≺**134 -5 V ● 105-24 24 REG -5V -O 5 V SV SPARE 103-20B,106-18B 159 6 V □ 105-25 UNREG +6V 25 UNREG +6V 26 REG +5V 214-3 -□ 6 V 272 > 235-1 SIRCS VCC 25 SIRCS DATA **~**273 5 V O 105-26 • 27 274 > 235-3 REG +5V -O 5 V SIRCS GND 214-4 26 NC 5 V O 105-26 • 27 REG +5V 27 REG +5V 214-4 -O 5 V 105-28 - 29 - 30 28 REG GND 29 REG GND REG GND 214-1 105-28 - 29 - 30 REG GND 214-1 29 NC 30 REG GND - 2 2 2 2 2 2 Y Y Y ŸŸŸŸŸŸŸŸŸŸŸŶŶŶ **?**????? 106-6A 106-6B 200-5 200-2 200-3 106-1 104-OUTPUT S-C(8)
OUTPUT S-C(X)
OUTPUT S-(X)
OUTPUT VIDEO 1(8)
OUTPUT VIDEO 2(X)
OUTPUT VIDEO 2(X)
OUTPUT Y 2(R)
OUTPUT Y 2(X)
OUTPUT R-Y 2(X)
OUTPUT R-Y 2(X)
OUTPUT R-Y 2(X)
OUTPUT R-Y 2(X) INPUT REF(K)
INPUT REF(X)
REG GND
REG GND
REG + 5V
DUB INPUT REF OUTPUT OUTPUT OUTPUT TUTPUT OUTPUT 2 6 4 5 6 - 2 6 4 5 CP-225/A,653-2 CP-225/A,653-2 CP-225/A,653-3 CP-225/A,653-4 CP-225/A,653-4

16-155 (a1)

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16-155 (a1)

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UVW-1800/1600 UVW-1800P/1600P

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		SS-53	CN109	<u> </u>	7			[	OR-2		٦	
		A		В				A	1	В		
	106-1 • 2 • 3	UNREG GND	1	UNREG GND		f € €	3—	REG GND	1	REG GND	107-28,29,30	
	106-1 • 2 • 3	UNREG GND	2	UNREG GND		₩ 60	-5 V ●	REG -5V	2	REG -5V	107-24	-
	106-1 • 2 • 3	UNREG GND	3	UNREG GND			6 V D-	UNREG +6V	3	UNREG +6V	107-25	
/ D	106-4	UNREG +12V	4	UNREG +12V		12 V	5 V O	REG +5V	4	REG +5V	107-26,27	-
4 >	106-5	UNREG -12V	5	UNREG -12V	1004 04	<b>4</b> −12V	2	DR GND	5	DR GND	200-1	_
	231-33	L:Y B REC EN A/V	7	L:Y A REC EN A/V L:REC CONT	231-34	<265 -<263	N 12V D	DR GND	6	DR GND	200-1	
	231-28	L:RE B CONT	8	L:C A REC EN A/V	231-32	262	12 V	UNREG +12V UNREG +12V	7 8	UNREG + 12V	200-8	$ \sqsubset$
	231-27	H:FULL ERASE ON	9	L:RE A CONT	231-29	₹260	-12V	UNREG -12V	9	UNREG +12V UNREG -12V	200-8	$\dashv$
5 >	231-23	H:NR ON	10	L:SLOW EQ ON	231-22	₹254	-1277	NC NC	10		108-1A	
	231-20	H:LTC PB	11	L:AUDIO ATT ON	231-21	₹253		NC NC	11	DRUM CURRENT	108-1B	-\_``2
9 >	231-17	L:AU CH 2 HEAD REC	12	L:AU CH 2 PB	231-19	₹251		NC	1 2		108-2A	-\-\c^2
	231-14	L:AU CH 1 HEAD REC	1 3		231-18	₹250		NC	13		108-2B	
4 <b>&gt;</b>	231-10	PB LTC	1 4	L:AU CH 2 PB MUTE	231-16	₹248		NC	1 4		108-3A	<b>−</b>  -₹2
3 <b>&gt;</b>	231-9	L:AU CH 2 BIAS ON	1 5		231-15	₹247		NC	15		108-3B	≺₃
2 >	231-8	L:AU CH 1 BIAS ON	1 6		231-13	₹245		NC	1 6	S REEL CURRENT	108-4A	<b>≺</b> 2
	231-7	H:OSC OFF	17	L:CS DOT	262-9	₹276		NC	17	SOL CURRENT	108-4B	≺₃
9 >	231-5	L:AU CH 2 REC MUTE	1.8	L:AU CH 1 REC MUTE	231-6	<b>4</b> 240		NC	1 8		108-5A	<b>-</b> <2
5 >	231-1	L:LTC ERASE ON	1 9	L:AU CH 1 ERASE ON	231-4	₹238		NC	1 9	DRUM PG	108-5B	<3
	231-2	REC LTC	2.0	L:AU CH 2 ERASE ON	231-3	237		NC NO	2.0		108-6A	
6 <b>&gt;</b>	231-25 262-8,106-22A	DEW DET(X) L:SYSTEM RESET	2 2	DEW DET(G) L:CS KEY	231-26 262-7	<b>₹</b> 257 <b>₹</b> 275	<u> </u>	NC NC	21		108-6B	
	262-8,106-22A 262-6,106-23A	SERIAL CLOCK	2 3	L:SERIAL READY	106-23B,262-5	2275	<u> </u>	NC NC	2.2	L:TAPE END CAPSTAN DIR CONT	108-7A	_ <u></u>
	262-4,106-24A	SERIAL RX	2 4		106-23B,262-3	229	-	NC NC	2 3	CAPSTAN DIR CONT	108-7B 108-8A	-\frac{3}{2}
	232-6	TX(-)	2.5		232-5	268		NC NC	2 5	CAPSTAN FG A	108-8A 108-8B	$ \zeta^2_3$
6 <b>&gt;</b>	232-3	R X (-)	2.6	RX(+)	232-4	₹267		NC NC	2.6		108-9A	<b>−</b>  ~° <sub>2</sub>
٥ >	266-3	OUTPUT LTC(G)	2 7	OUTPUT LTC(X)	266-4	₹322		NC NC	2.7		108-9B	<b>-</b>  ∹;
1>	266-1	EXT TC IN(G)	2 8	EXT TC IN(X)	266-2	<b>≺</b> 323		NC	2.8	CAPSTAN FG B NORM	108-10A	<b></b>
3	106-29:30	REG GND REG GND	3 0	REG GND	250-9 • 10,251-1 • 2 250-9 • 10,251-1 • 2			NC NC	2 9 3 0 3 1	ADJUST GND S TENSION	108-10B 108-11A	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
3	106-29 • 30	REG GND						NC NG NC NC	2 9 3 0 3 1 3 2 3 3	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B	- √2 - √3 - √2 - √1
3	106-29 • 30							NC NC NC NC NC NC NC NC NC	2 9 3 0 3 1 3 2 3 3 3 4	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A	√2 √3 √2 √1 √2
3	0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REG GND						NC NG NG NC NC NC NC NC NC NC NC	2 9 3 0 3 1 3 2 3 3 3 4 3 5	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B	√2 √3 √2 √1 √2 √3
3	0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REG GND						NC	2 9 3 0 3 1 3 2 3 3 3 4 3 5 3 6	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A	\(\frac{2}{3}\) \(\frac{4}{3}\) \(\frac{1}{2}\) \(\frac{4}{3}\) \(\frac{4}{3}\) \(\frac{4}{2}\)
3	0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REG GND						NC NG NG NC NC NC NC NC NC NC NC	2 9 3 0 3 1 3 2 3 3 3 4 3 5	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B	√2 √3 √2 √1 √2 √3
3	0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REG GND						NC NG NC NG NC NG NC NC NC NC NG NC NC NC NC	2 9 3 0 3 1 3 2 3 3 3 4 3 5 3 6 3 7	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14A	\frac{2}{3} \frac{2}{3} \frac{1}{2} \frac{2}{3} \frac{2}{3}
3	0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REG GND						NC NG NG NG NC	2 9 3 0 3 1 3 2 3 3 3 4 3 5 3 6 3 7 3 8	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A	\(\frac{2}{3}\) \(\frac{4}{3}\) \(\frac{4}{2}\) \(\frac{4}{3}\) \(\frac{2}{3}\) \(\frac{4}{3}\) \(\frac{2}{3}\) \(\frac{4}{3}\)
3	0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	REG GND						NC	29 30 31 32 33 34 35 36 37 38 39 40	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-14B	22 -33 -41 -42 -43 -42 -43 -43 -43 -43 -43
3	106-29 · 30	REG GND						NC N	29 30 31 32 33 34 35 36 37 38 39 40	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-14A 108-15A 108-15A 108-15B 108-16B 108-16B	- 42 - 43 - 42 - 41 - 42 - 43 - 42 - 43 - 42 - 43 - 42 - 43 - 42
3	106-29 · 30	REG GND						NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THEADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-15B 108-16A 108-16B 108-17A	- 42 - 43 - 42 - 41 - 42 - 43 - 42 - 43 - 42 - 43 - 42 - 43
3	106-29 · 30	REG GND						NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-14A 108-15B 108-15B 108-16A 108-16B 108-16B 108-17A 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42
3	106-29 · 30	REG GND						NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-15B 108-16B 108-16B 108-16B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 42 43 43 43 44 43 44 44 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46
3	106-29 · 30	REG GND						NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SO T REEL FG B	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B	42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43
3	106-29 · 30	REG GND  1 1 2 2 2 1 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		REG GND	250-9 • 10,251-1 • 2		296 <b>1</b> 08-20A	NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 5	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG B	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14B 108-14B 108-15B 108-15B 108-16B 108-16B 108-17A 108-17B 108-17A 108-17B 108-17B	2 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 42 43 43 42 43 43 44 43 44 43 44 43 44 43 44 44 44
3	106-29 · 30 107-28 A	102-248			250-9 • 10,251-1 • 2		296 > 108-20A 317 > 108-20B	NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG B L:MS BUSY	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-15A 108-15A 108-16B 108-16B 108-17A 108-17B 108-17A 108-18B 108-17A	2 43 42 43 42 43 42 43 42 43 42 43 43 43 43 43 43
3	106-29 · 30 107-28 A	102-248		REG GND	250-9 • 10,251-1 • 2		· <del></del>	NC	29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 5	ADJUST GND S TENSION ADJUST +5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG B	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14B 108-14B 108-15B 108-15B 108-16B 108-16B 108-17A 108-17B 108-17A 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
3	106-29 · 30 107-28 A	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	2 43 42 43 42 43 42 43 42 43 42 43 43 43 43 43
1	106-29 · 30 107-28 A	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
3	106-29 · 30 107-28 A	102-24B		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
3	106-29 · 30 107-28 A	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
1	INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
1	INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
3	106-29 · 30 107-28 A	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
3	INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	2 9 3 0 3 1 3 2 2 3 3 3 4 3 5 3 6 6 3 7 3 8 8 3 9 4 0 0 4 1 4 2 4 3 4 4 4 4 5 4 6 6 4 7 4 8 8 4 9	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15A 108-16A 108-16A 108-16A 108-17A 108-17B 108-17B 108-17B 108-17B 108-17B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
1	INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SC SERVO SC T REEL FG B T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13A 108-13A 108-14A 108-14A 108-15B 108-16A 108-16B 108-17A 108-17B 108-17B 108-18B 108-19B 108-19B 108-22B 108-22B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
1	INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13A 108-13A 108-14A 108-14A 108-15B 108-16A 108-16B 108-17A 108-17B 108-17B 108-18B 108-19B 108-19B 108-22B 108-22B	42 43 42 41 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 42 43 43 44 44 45 45 45 45 45 45 45 45 45 45 45
1	INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SC SERVO SC T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT THREADING ERROR	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-15A 108-15A 108-16A 108-16B 108-16B 108-17B 108-18A 108-18B 108-17B 108-18B 108-17B	2
1	286.664-1 1 INPUT VIDEO(X) 102-228	225.654-5 5 INPUT S-Y(X) 102-24B		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SC SERVO SC T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT THREADING ERROR	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-15A 108-15A 108-16A 108-16B 108-16B 108-17B 108-18A 108-18B 108-17B 108-18B 108-17B	2
1	286.664-1 1 INPUT VIDEO(X) 102-228	102-248		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END SERVO SCK SERVO SCK SERVO SI SERVO SO T REEL FG B T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT THREADING ERROR	108-10B 108-11A 108-11B 108-12A 108-12B 108-12B,103-3B 108-13A 108-13A 108-14A 108-15A 108-15A 108-15A 108-16A 108-16B 108-17B 108-17B 108-17B 108-18B 108-19A 108-19B 108-19B	2
3	286.664-1 1 INPUT VIDEO(X) 102-228	225.654-5 5 INPUT S-Y(X) 102-24B		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 45 46 47 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SO T REEL FG B T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT THREADING ERROR	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-14B 108-15B 108-16B 108-16B 108-17A 108-17B 108-18B 108-19B 108-22B 108-22B	2
1	286.664-1 1 INPUT VIDEO(X) 102-228	225.654-5 5 INPUT S-Y(X) 102-24B		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 40 41 42 43 44 45 46 47 48 49 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SCI SERVO SCI SERVO SCI TREEL FG B T REEL FG B L:MS BUSY TH/JUNTH POWER CONT THREADING ERROR    MB - 470 / 47  OARD NO.1-648-918- VW-1800 (J); #1000	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-15A 108-15A 108-15B 108-16B 108-16B 108-17A 108-16B 108-17A 108-18B 108-17A 108-18B 108-12B 108-12B 108-12B 108-12B 108-12B	2
3	286.664-1 1 INPUT VIDEO(X) 102-228	225.654-5 5 INPUT S-Y(X) 102-24B		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 50	ADJUST GND S TENSION ADJUST + SV H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SCI SERVO SCI SERVO SI SERVO SCI T REEL FG B T REEL FG B T REEL FG A L:MS BUSY TH/UNTH POWER CONT THREADING ERROR	108-10B 108-11A 108-11B 108-12B 108-12B,103-3B 108-13A 108-13B 108-14A 108-15A 108-15A 108-16B 108-16B 108-16B 108-17B 108-18B 108-17B 108-18B 108-17B 108-18B 108-17B 108-18B 108-17B 108-18B 108-17B 108-18B 108-17B 108-18B	2
	286.664-1 1 INPUT VIDEO(X) 102-228	225.654-5 5 INPUT S-Y(X) 102-24B		REG GND	250-9 • 10,251-1 • 2		317 > 108-20B	NC	29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 50	ADJUST GND S TENSION ADJUST + 5V H:CTL GAIN UP CTL SIG CTL PULSE REC CTL H:CTL REC L:TAPE TOP THREADING FG H:UNTH END H:TH END EMERGENCY MS RESET 1/2 VD SERVO SCK SERVO SCI SERVO SCI SERVO SCI TREEL FG B T REEL FG B L:MS BUSY TH/JUNTH POWER CONT THREADING ERROR    MB - 470 / 47  OARD NO.1-648-918- VW-1800 (J); #1000	108-10B 108-11A 108-11B 108-12A 108-12B,103-3B 108-13A 108-13B 108-14A 108-15A 108-15A 108-15A 108-15A 108-15A 108-15A 108-15B 108-16B 108-17B 108-17B 108-17B 108-17B 108-21B 108-22B 108-22B 108-22B	2

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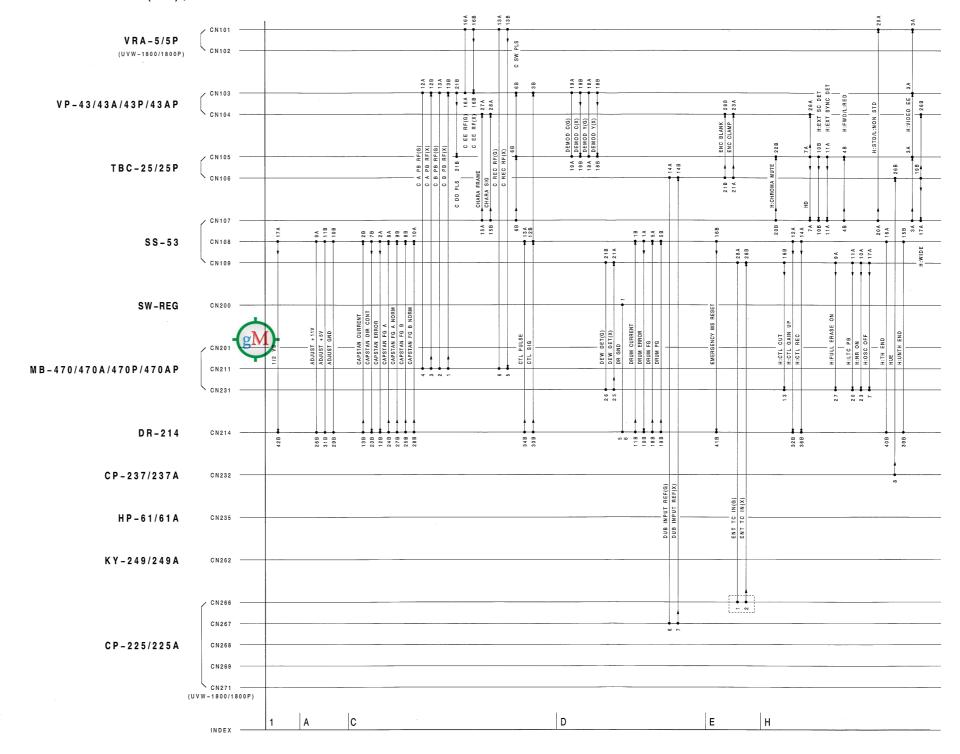
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16-155 (a2) 16-155 (a2)

UVW-1800/1600 UVW-1800P/1600P UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780

MB-470/470A/470P/470AP(3/4); MOTHER BOARD



16-157 (a1)

16-157 (a1)

UVW-1800P/1600P Н

UVW-1800/1600

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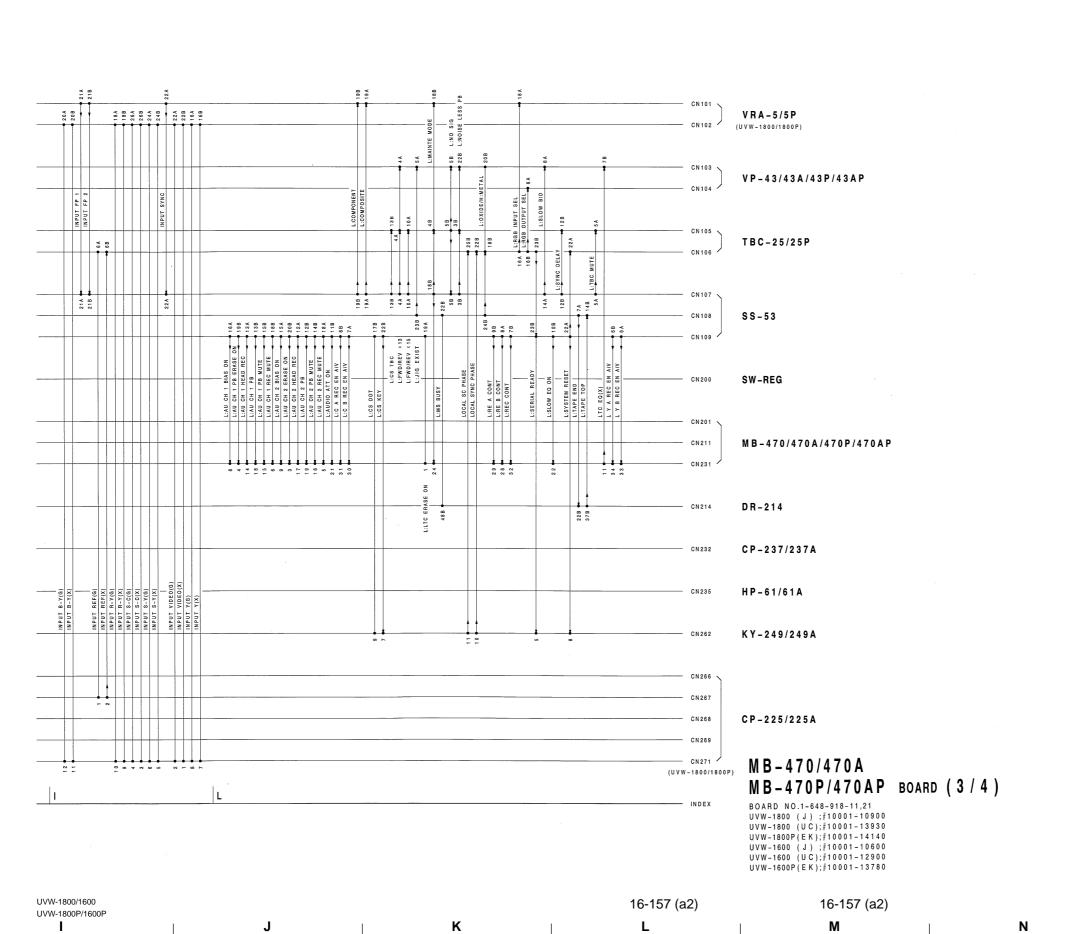
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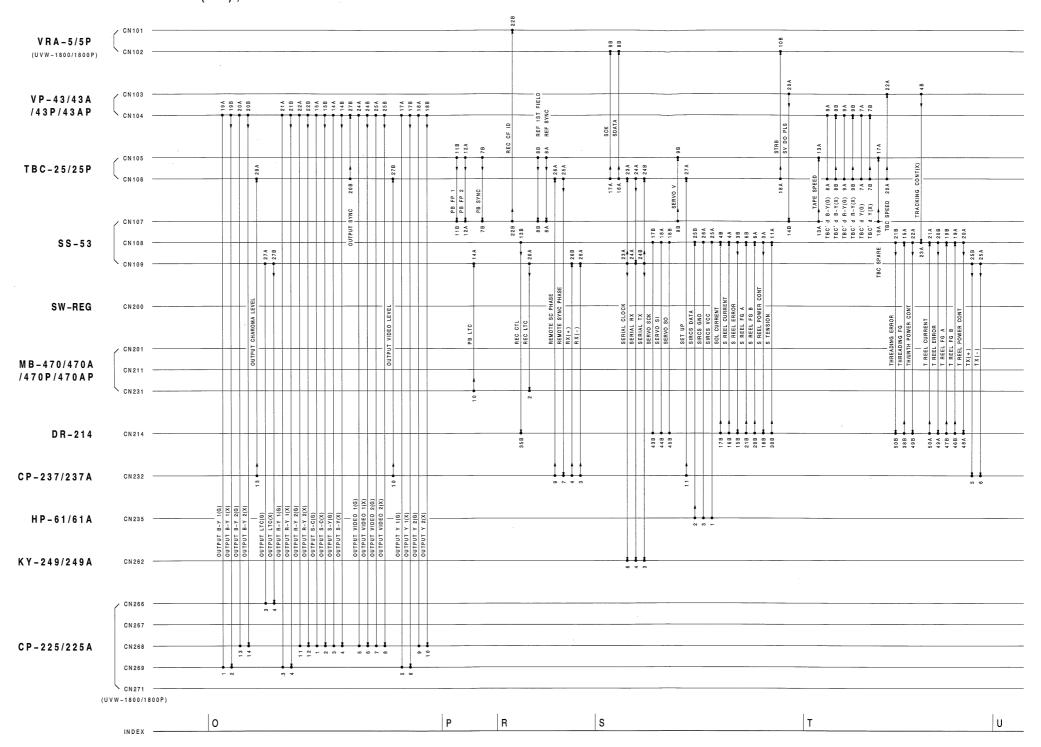
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UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780

### MB-470/470A/470P/470AP(4/4); MOTHER BOARD



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16-159 (a1)

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UVW-1800/1600 UVW-1800P/1600P **H** 

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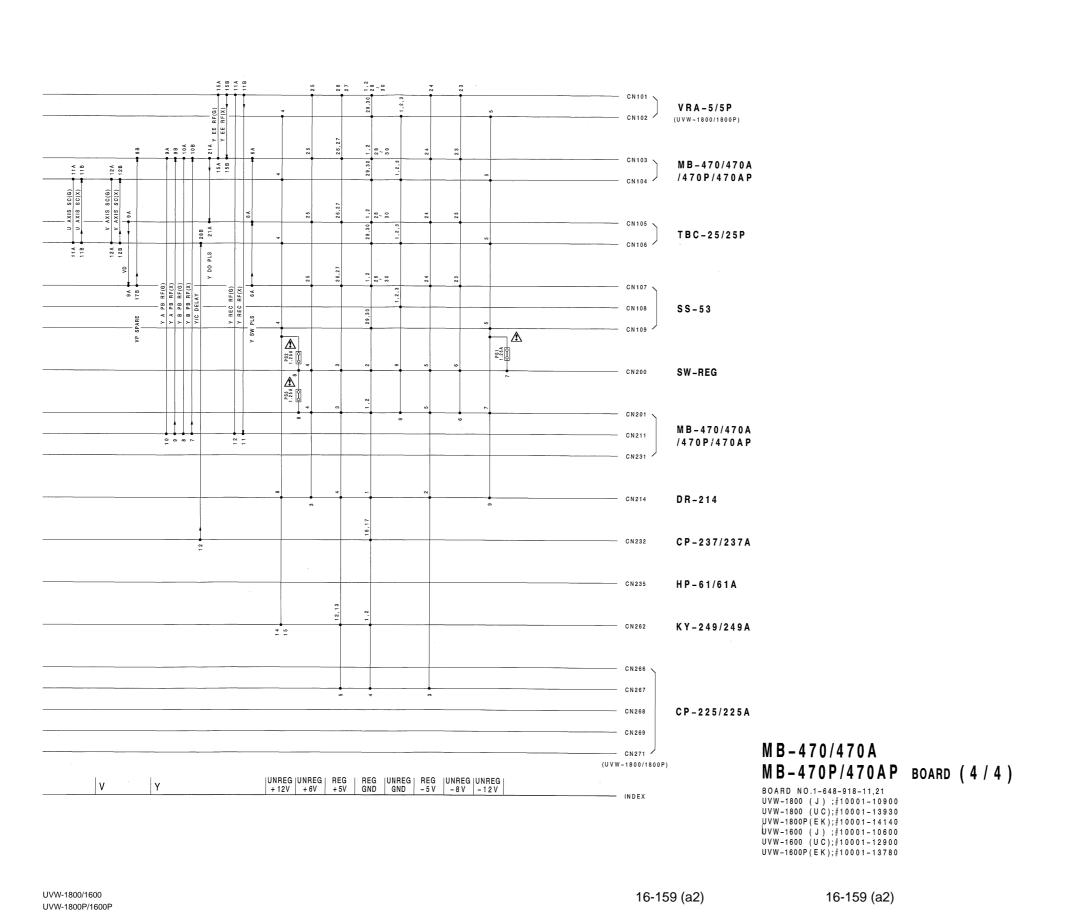
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UVW-1800 (J); Serial No.10901 and higher UVW-1800 (UC); Serial No.13931 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher

MB-471/471A(1/2); MOTHER BOARD

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	RP-70/70A/70P/70AP	CN110	В	-			A P - 31/31A/31P/31AP A	CN111	В	1	
111-1 - 2 - 3	REG GND	1	REG GND	251-1 • 2		12-1 - 2 - 3	REG GND		REG GND	110-1 - 2 - 3	]
111-1 - 2 - 3	REG GND		REG GND	251-1 • 2		12-1 • 2 • 3	REG GND		REG GND	110-1 - 2 - 3	1
111-1-2-3	REG GND REG +5V		REG GND	251-1 • 2		12-1 • 2 • 3	REG GND REG +5V		REG GND REG +5V	110-1-2-3	1
111-4	UNREG +6V		REG +5V UNREG +6V	251-3		12-5	UNREG +6V	5	UNREG +6V	110-4	1
111-6	REG -5V		REG -5V	251-5		12-6	REG -5V	6	REG -5V	110-6	1
111-7	UNREG -8V		UNREG -8V	251-6		12-7	UNREG -8V	7	UNREG -8V	110-7	1
	NC		NC	-		C	(REG GND)	8	CH 1 LINE OUT(G)	274-3	4
281-2	L:Y B REC EN A/V		L:Y A REC EN A/V GND(GUARD)	281-1		74-4 C	(REG GND)	10	CH 1 HP OUT(G) CH 1 HP OUT(X)	278-2	- Ö-
	NC		Y REC RF(G)	261-12		78-5		11	CH 1 HP VOL(G)	278-7	10.
	NC	12	Y REC RF(X)	261-11		C	(REG GND)		CH 1 HP VOL(X)	278-6	]
	NC		GND(GUARD)		1	12-15A,276-6	CH 1 REC VOL(G)		CH 1 METER OUT	277-1	-
	NC NC		Y A PB RF(G) Y A PB RF(X)	261-10 261-9		12-18B	(REG GND) CH 1 ENC(X)		CH 1 REC RET CH 1 ENC(G)	276-5 112-17A	1
	NC		GND(GUARD)	120. 4		C	(REG GND)		(REG GND)	NC	1
	NC	17	Y B PB RF(G)	261-8		81-25	PB LTC		LTC EQ(X)	281-24	1
	NC		Y B PB RF(X)	261-7		C	(REG GND)		(REG GND) LTC REC I(X)	NC 112-20B	4
	NC NC		GND(GUARD) L:REC CONT	281-3		12-19B C	LTC REC I(G) (REG GND)	20	LTC REC I(G)	112-21B	1
281-5	L:C B REC EN A/V		L:C A REC EN A/V	281-4		12-30B	CH 2 INSERT CROSSTALK				1
	NC	22	GND(GUARD)			C	(REG GND)		H:CTL CUT	281-22	1
ļ	NC NC		C REC RF(G)	261-6		81-21 C			L:AU CH 1 PB MUTE L:AU CH 2 PB MUTE	281-20 281-19	1
	NC NC		C REC RF(X) GND(GUARD)	201-5		B1-18			L:AU CH 2 PB MUTE	281-19	1
	NC	2 6	C A PB RF(G)	261-4	N	С	(REG GND)	26	L:AU CH 2 PB	281-16	1
	NC	2 7	C A PB RF(X)	261-3		12-27B,281-15	H:LTC PB		L:AUDIO ATT ON	281-14	1
	NC NC		GND(GUARD) C B PB RF(G)	261-2		C 12-29B	(REG GND) H:BIAS ON		L:SLOW EQ ON H:NR ON	281-13 281-12	1
	NC		C B PB RF(X)	261-1		C	(REG GND)		L:MAINTE MODE	281-11	1
	NC	3 1	GND(GUARD)		N	c	(REG GND)	3 1	CH 1 REC HEAD(X)	112-41B	
281-7	L:RE B CONT		L:RE A CONT	281-6		C	(REG GND)		CH 1 REC HEAD(G)	111-33A,112-41A	1
	NC NC		NC CH-B RE(Y)	264-6		12-41A,111-32B 74-2	CH 1 REC HEAD(G) MONI OUT(X)	3 3	CH 2 REC HEAD(X) CH 2 REC HEAD(G)	112-43A 112-42B	1
	NC		CH-B RE(X)	264-5		C	(REG GND)	3.5	MONI OUT(G)	274-1	1
	NC	3.6	CH-B RE(G)	264-7		12-32B	CH 2 ENC(X)	3 6	(REG GND)	NC	1
	NC		CH-A RE(G)	264-4		12-33A	CH 2 ENC(G)	37	CH 2 REC RET	276-2	4
	NC NC		CH-A RE(Y) CH-A RE(X)	264-3		77-2	(REG GND) CH 2 METER OUT		CH 2 REC VOL(G) CH 2 HP VOL(X)	112-35A,276-3 278-8	-
	NC		NC NC	1		c	(REG GND)		CH 2 HP VOL(G)	278-10	- w <sub>2</sub>
	NC		FULL ERASE(G)	265-2		78-9	CH 2 HP RET		CH 2 HP OUT(X)		-Ö-
	NC		FULL ERASE(Y)	255-1		C	(REG GND)		CH 2 HP OUT(G)	278-4	-
281-8	H:FULL ERASE ON UNREG -12V		FULL ERASE(X) UNREG -12V	265-3 251-7		74-6 12-44 • 45	CH 2 LINE OUT(X) UNREG -12V		CH 2 LINE OUT(G) UNREG -12V	274-5 110-44 • 45	1
111-44 • 45	UNREG -12V		UNREG -12V	251-7		12-44 • 45	UNREG -12V	4.5	UNREG -12V	110-44 • 45	1
111-46 • 47	UNREG + 12V	4.6	UNREG +12V	251-8		12-46 • 47	UNREG +12V	4 6	UNREG +12V	110-46 • 47	1
111-46 • 47 111-48 • 49 • 50	UNREG + 12V UNREG GND		UNREG +12V UNREG GND	251-8 251-9		12-46 · 47 12-48 · 49 · 50,277-3	UNREG +12V UNREG GND	47	UNREG +12V UNREG GND	110-46 • 47 110-48 • 49 • 50	-
111-48-49-50	UNREG GND	4.9		251-9		12-48 • 49 • 50,277-3	UNREG GND	49	UNREG GND	110-48-49-50	1
111-48 • 49 • 50	UNREG GND		UNREG GND	251-9					UNREG GND	110-48 - 49 - 50	]
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MB-120FPAARP_201-1   TEG 0ND   110-1-2-3		4 C A PB RF(G)	WB-470P/AAP_211-6   C   REC   RF(6)   110-238   Wa-470P/AAP_211-7   Y   V   D   B   RF(7)   110-118   Wa-470P/AAP_211-8   Y   B   D   RF(7)   110-118   Wa-470P/AAP_211-9   Y   A   P   RF(7)   110-158   Wa-470P/AAP_211-10   Y   A   P   RF(7)   110-128   Wa-470P/AAP_211-11   Y   REC   RF(7)   110-118   Wa-470P/AAP_211-11   Y   REC   RF(6)   110-118   Wa-470P/AAP_211-12   Y   REC   RF(6)   110-118   Wa-470P/AAP_211-12   Y   REC   RF(6)   Wa-470P/AAP_211-12   Y   REC   RF(7)   Wa-470P/AAP_211-12   Y   REC   RF(8)   Wa-470P/AAP_211-12   Y   REC   RF(8)   Wa-470P/AAP_211-12   Y   REC   RF(9)   Wa-470P/AAP_211-12   Y   REC   RF(9)   Wa-470P/AAP_211-12   Y   REC   RF(9)   Wa-470P/AAP_211-12   Y   REC   RF(9)   Wa-470P/AAP_211-12   Y   REC   RF(10)   Wa-470P/AAP_211-12   Y   Wa-470P/A		DEW DET(G) DEW DET(G) NO N	4 CH-A RE(0) 110-378 6 CH-B RE(X) 110-388 6 CH-B RE(Y) 110-348 7 CH-B RE(G) 110-348	CN265 1 FULL ERASE(Y) 110-428 2 FULL ERASE(X) 110-418 3 FULL ERASE(X) 110-418		CP-226/A,274-1 1 MONI OUT(6) 111-35B CP-226/A,274-2 2 MONI OUT(7) 111-35B CP-226/A,274-2 2 MONI OUT(3) 111-36 CP-226/A,274-4 4 CH 1 LINE OUT(3) 111-48 CP-226/A,274-4 6 CH 2 LINE OUT(3) 111-48 CP-226/A,274-6 6 CH 2 LINE OUT(X) 111-48	NC NC	04215 1 AU CH 1 INPUT(Q) 112-13A 2 AU CH 1 INPUT(Y) 112-128 3 AU CH 1 INPUT(Y) 112-128 4 AII CH 2 INPUT(G) 112-22A

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16-161 (b1)

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NC (REG GND) 10 CH 1 NEERT GROSSTAK 111-218   NC (REG GND) 11 (REG GND) NC   NC (REG GND) 12 AU CH 1 INPUT(Y) 273-2   T271-1 AU CH 1 INPUT(A) 1 (REG GND) NC   NC (REG GND) 11 (AU CH 1 INPUT(X) 272-3   NC (REG GND) 12 (REG GND) NC   NC (REG GND) 14 (AU CH 1 INPUT(X) 272-3   NC (REG GND) 15 (CH 1 INPUT(X) 272-3   NC (REG GND) 16 (CH 1 INPUT(X) 272-3   NC (REG GND) 17 (CH 1 INPUT(X) 272-3   NC (REG GND) 18 (CH 1 INPUT(X) 272-3   NC (REG GND) 19 (CH 1 INPUT(X) 272-3   NC (REG GND) 22 (CH C GND) NC   NC (REG GND) 23 (CH C GND) NC   NC (REG GND) 24 (CH C GND) NC   NC (REG GND) 25 (CH C GND) NC   NC (REG GND) 35 (REG GND) NC   NC (REG GND) 35 (REG GND) NC   NC (REG GND) NC (REG GND) NC (REG GND) NC   NC (REG GND) NC (	1						
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10   10   10   10   10   10   10   10	10   10   10   10   10   10   10   10		A REG GND 1	B REG GND			
March   Marc	Miles   1987		REG GND 3	REG GND	111-1 - 2 - 3		
March   Marc	1997   1997		UNREG +6V 5	UNREG +6V	111-5		
			UNREG -8V 7	UNREG -8V	111-7		
Control   Cont		NC NC	(REG GND) 9	(REG GND)	NC		I I
Company   Comp	1	NC	(REG GND) 11	(REG GND)	NC	12V 6V 5V	
TOTAL STATE OF THE PARTY OF THE	100 - 100 -	275-1	AU CH 1 INPUT(G) 13	(REG GND)	NC	Y . Y . Y .	
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	111-13A,276-6	CH 1 REC VOL(G) 15	(REG GND)	NC		
		111-15B NC	CH 1 ENC(G) 17	7 (REG GND)	NC		
	Column   C	NC NC	(REG GND) 19	LTC REC I(G)	111-19A	-12V -8V -5V	
### 1	March   Marc	NC NC	(REG GND) 21	LTC REC I(G)	111-20B	Less	1 1
### A PART OF THE	Column   C	281-33 NC	REC LTC   23   (REG GND)   24	L:LTC ERASE ON L:AU CH 2 ERASE ON	281-34 281-32	<del>/</del>	
Column   C	1	NC	L:AU CH 2 REC MUTE 25 (REG GND) 26	L:AU CH 1 ERASE ON E L:AU CH 1 REC MUTE	281-31 281-29	UNREG GND	
Section   1	Section   1	NC	(REG GND) 28	L:AU CH 1 BIAS ON	281-27	<i>m</i> -	i
### MATERIAL   1	The content of the	281-26 NC	(REG GND) 30	CH 2 INSERT CROSSTAI	LK 111-21A		
The content of the	No.	NC NC	(REG GND) 32	CH 2 ENC(X)	111-36A		1 1
### (### 658)	### 186 684	NC	(REG GND) 34	CH 2 REC VOL(X)	276-1		
### STATE OF THE PROPERTY OF T	State   Stat	NC	(REG GND) 36	AU CH 2 INPUT(X)	275-6		
SE DO RES NO. 10 1 10 10 10 10 10 10 10 10 10 10 10 1	Name	NC	(REG GND) 38	AU CH 2 INPUT(Y)	275-5		1
### ### ### ##########################	Mark   Program   1,	NC	(REG GND) 40	(REG GND)	NC		
SPEC - 107	STATE   17	NC	(REG GND) 42	CH 2 REC HEAD(G)	111-34B	CN112, CN264, CN265, CN275, CN276 • • • UVW-1800/1800P	
MB	Companies   Comp		UNREG -12V 44	UNREG -12V	111-44 • 45		 
Winter Deck	WINTE DOD   13   DANSE DOD		UNREG +12V 46	UNREG + 12V			
### B - 471/471A BOARD (1/2)  #### BOARD (1/2)	### B - 471/471A BOARD (1/2)  #### BOARD (1/2)  ###################################		UNREG GND 49	UNREG GND	111-48 • 49 • 50		
### ### ### ### ### ### ### ### ### ##	- WB - 471/471 A BOARD (1/2)    W   W   W   W   W   W   W   W   W		UNREG GND 50	UNREG GND	111-48 • 49 • 50		i
### ### ### ### ### ### ### ### ### ##	- WB - 471/471 A BOARD (1/2)    W   W   W   W   W   W   W   W   W						
### ### ### ### ### ### ### ### ### ##	### DESCRIPTION OF THE PROPERTY OF THE PROPERT				÷ .		
NB - 471/471A   BOARD (1/2)	MB - 471/471A   BOARD (1/2)						
MB - 471/471A   BOARD (1/2)	MB - 471/471A   BOARD (1/2)	П					
MB - 471/471A   BOARD (1/2)	MB - 471/471A   BOARD (1/2)						i de la companya de
MB - 471/471A   BOARD (1/2)	MB - 471/471A   BOARD (1/2)						
NB - 471/471 A   BOARD (1 / 2)   BOARD (1 /	NB - 471/471 A   BOARD (1 / 2)   BOARD (1 /		9 V V			- 15-75 kB	
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0 (m 1000 (m 0))   1 m 0 (m 0)	0 (m 1000 (m 0))   1 m 0 (m 0)	94.6		- 13B 29 A 50 A	1-80 1-11 A 1-12 B 1-13 B 1-14 A	110-20 110-21 M 110-21 M 110-2	
0 (m 1000 (m 0))   1 m 0 (m 0)	0 (m 1000 (m 0))   1 m 0 (m 0)	112-348	112-354, 112-168 1112-168 1111-148	111-138 111-28A 111-60A		110-20 110-21 M 110-21 M 110-2	
0 (m 1000 (m 0))   1 m 0 (m 0)	0 (m 1000 (m 0))   1 m 0 (m 0)	OL(X) 112-348	112-354, 112-168 1112-168 1111-148			110-20 110-21 M 110-21 M 110-2	
ain too (aa)ii taat	ain too (aa)ii taat	98-211 (X) 707-03	112-354, 112-168 1112-168 1111-148		OUT(X) OUT(X) OUT(S) OUT(S) OUT(S) III OUT(S) III NET III VOL(S) IIII VOL(S) IIIII VOL(S) IIII VOL(S) IIIII VOL(S) IIII VOL(S) IIIII VOL(S) IIII VOL(S	110-20 110-21 M 110-21 M 110-2	
of the love for the first for	of the love for the first for	H 2 REC VOL(X) 112-348	112-354, 112-168 1112-168 1111-148	1 METER OUT 2 METER OUT EG GND	1 HP OUT(X) 2 HP OUT(X) 2 HP OUT(X) 111 1 HP VOL(X) 111 1 HP VOL(X) 111 2 HP VOL(X) 111 2 HP WILL 2 HP WILL 2 HP WILL 3 HP WILL 3 HP WILL 3 HP WILL 4 HP WILL 5 HP WILL 5 HP WILL 5 HP WILL 6 HP WIL	110-20 110-21 M 110-21 M 110-2	
0 in 1000 (0 0) il 1200 i	of the food for the first for	6 CH 2 REC VOL(X)	CH 2 REC VOL(8) 112-358. CH 1 REC VOL(8) 112-168. CH 1 REC VOL(9) 112-158. CH 1 REC VOL(9) 112-158.	CH 1 METER OUT CH 2 METER OUT UNREG GND NO	CH 1 HP OUT(8)  CH 2 HP OUT(8)  CH 2 HP OUT(8)  CH 2 HP OUT(8)  CH 1 HP RET  CH 1 HP VOL(8)  CH 2 HP VOL(8)  CH 2 HP VOL(8)  CH 2 HP RET  CH 3 HP RET  CH 3 HP RET  CH 4 HP VOL(8)  CH 5 HP RET  CH 5 HP	110-20 110-21 M 110-21 M 110-2	
of the love for the first for	oin too lastituasi	CN276 1 CH 2 REC VOL(X)	2 CH 2 REC 701(3) 112-153 CH 2 REC 701(4) 112-154 CH 1	1 OH 1 METER OUT 2 CH 2 METER OUT 3 UNREG GND 4 NO	0	110-20 110-21 M 110-21 M 110-2	MB-471/471A BOARD (1/2)
of the love for the first for	ain too (aa)ii taat	CN276 1 CH 2 REC VOL(X)	2 CH 2 REC 701(3) 112-153 CH 2 REC 701(4) 112-154 CH 1	192-1 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	110-20 110-21 M 110-21 M 110-2	BOARD NO.1-648-919-12,22
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		CN276 1 CH 2 REC VOL(X)	2 CH 2 REC 701(3) 112-153 CH 2 REC 701(4) 112-154 CH 1	192-1 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	110-20 110-21 M 110-21 M 110-2	BOARD NO.1-648-919-12,22 UVW-1800 (J); #10901- UVW-1800 (UC); #13931- UVW-1800P(EK); #14141-
		CN276 1 CH 2 REC VOL(X)	2 CH 2 REC 701(3) 112-153 CH 2 REC 701(4) 112-154 CH 1	192-1 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	110-20 110-21 M 110-21 M 110-2	BOARD NO.1-648-919-12,22 UVW-1800 (J); #10901- UVW-1800 (UC); #13931- UVW-1800P(EK); #14141- UVW-1600 (J); #10601-

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UVW-1800 (J);Serial UVW-1800 (UC);Serial No.10901 and higher No.13931 and higher No.14141 and higher UVW-1800P(EK); Serial No.14141 and higher UVW-1600 (J); Serial No.10601 and higher UVW-1600 (UC); Serial No.12901 and higher UVW-1600P(EK); Serial No.13781 and higher MB-471/471A(2/2); MOTHER BOARD 37B 39B 36B 35B 34B 23B 24B RP-70/70A/70P/70AP CN110 -REC CH 2 I CH 1 E 5 23A 25B 23B 25A 26B 24B 27B 28B 17B 20B AP-31/31A/31P/31AP CN111 -AR-14/14P CN112 198 218 208 (UVW-1800/1800P) REC MB-471/471A CN 261 CH-A CH-B CH-B FULL CN281 LAU CH 1 BIAS ON
LAU CH 1 HEAD REC
LAU CH 2 HEAD REC
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LAU CH CH 2 LINE OUT(G)
CH 2 LINE OUT(X)
AMETER OUT E E DEW SENSOR CN263 -CH 1 LINE OUT VOL(G) HP OUT(S)
HP RET
HP VOL(S)
HP VOL(X) CH 2 REC R CH 2 REC V REC CH 2 HP C CH 2 HP C CH 2 HP V CH 2 HP V CN264 DRUM MOTOR (UVW-1800/1800P) CN274 CP-226/226A/226J/226AJ (UVW-1800/1800P) VR-155 CN276 (UVW-1800/1800P) KY-249/249A CN277 HP-61/61A CN278 F D INDEX NOTE: UVW-1800/1800P ONLY

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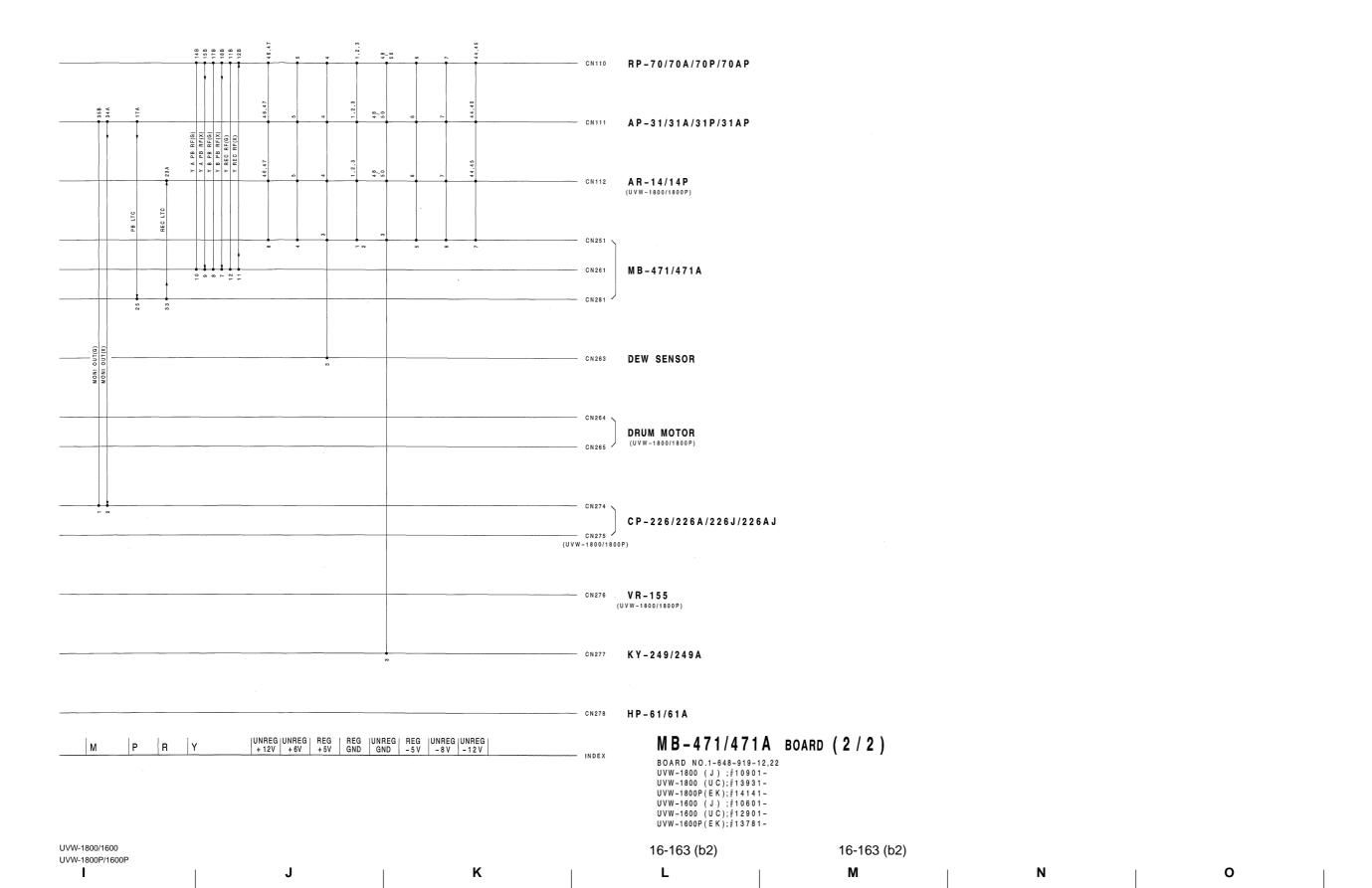
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UVW-1800/1600 UVW-1800P/1600P Н

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UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780

MB-471/471A(1/2); MOTHER BOARD

	RP-70/70			_				AP-31/31				
	RP-70/70A/70P/70AP A	CN11	В	-	1			AP-31/31A/31P/31AP A	CN111	В		7
111-1-2-3	REG GND REG GND		REG GND REG GND	251-1 · 2 251-1 · 2	₽.	<del>-</del>	112-1 • 2 • 3	REG GND	1	REG GND	110-1-2-3	<b>□</b> € .
111-1-2-3	REG GND		REG GND	251-1 • 2			112-1 • 2 • 3	REG GND		REG GND REG GND	110-1 • 2 • 3	——".
5 V O- 111-4	REG +5V	4	REG +5V	251-3	-05 V `	5 V O-	112-4	REG +5V	4	REG +5V	110-4	o5 v
6 V D- 111-5	UNREG + 6V		UNREG +6V	251-4			112-5	UNREG +6V REG -5V		UNREG +6V	110-5	06V
-5 V ■ 111-6 -8 V ■ 111-7	REG -5V UNREG -8V		REG -5V UNREG -8V	251-5 251-6	-5V -■-8V	-5V ●— -8V ■—	112-6	UNREG -8V		REG -5V UNREG -8V	110-6	-5 V 
	NC		NC		1		NC	(REG GND)	8	CH 1 LINE OUT(G)	274-3	<b>~</b> 147
100 > 281-2	L:Y B REC EN A/V		L:Y A REC EN A/V GND(GUARD)	281-1	<b>1</b> 04	129 >	274-4 NC	CH 1 LINE OUT(X) (REG GND)		CH 1 HP OUT(G) CH 1 HP OUT(X)	278-2	148
	NG	1.1	Y REC RF(G)	261-12	<b>1</b> 05	130 >	278-5	CH 1 HP RET	11	CH 1 HP VOL(G)	278-7	150
	NC NC		Y REC RF(X) GND(GUARD)	261-11	106		NC 112-15A,276-6	(REG GND)		CH 1 HP VOL(X) CH 1 METER OUT	278-6	<b>1</b> 51
	NC .		Y A PB RF(G)	261-10	<b>~</b> 107	131 >	NC	(REG GND)		CH 1 REC RET	277-1 276-5	- <b>≺</b> 152 <b>≺</b> 153
	NC	15	Y A PB RF(X)	261-9	<b>≺</b> 108	132 >	112-18B	CH 1 ENC(X)	1.5	CH 1 ENC(G)	112-17A	154
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	NC .		Y B PB RF(X)	261-7	110	,	NC NC	(REG GND)		(REG GND)	NC NC	7
	NC		GND(GUARD)		<b>1</b>	134 >	112-19B	LTC REC I(G)		LTC REC I(X)	112-20B	<b>₹</b> 156
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103 > 281-8	NC H:FULL ERASE ON		FULL ERASE(Y)	265-1 265-3	<b>≺</b> 127 <b>≺</b> 128	146 >	NC 274-6	(REG GND) CH 2 LINE OUT(X)		CH 2 HP OUT(G) CH 2 LINE OUT(G)	278-4 274-5	<b>√</b> 177
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-12V ► 111-44 · 45 12V ► 111-46 · 47	UNREG -12V UNREG +12V		UNREG -12V UNREG +12V	251-7 251-8	-12V -12V	-12V ► 12V ▷	112-44 • 45	UNREG -12V UNREG +12V		UNREG -12V UNREG +12V	110-44 • 45 110-46 • 47	-12V -12V
12 V D 111-46 · 47	UNREG +12V		UNREG +12V	251-8	-d12V ∞	127	112-46 • 47	UNREG +12V		UNREG +12V	110-46 - 47	- 12V
111-48 - 49 - 50	UNREG GND		UNREG GND	251-9	- t ~	3	112-48 • 49 • 50,277-3	UNREG GND		UNREG GND	110-48 - 49 - 50	
ω 3 111-48 · 49 · 50 ω 3 111-48 · 49 · 50	UNREG GND UNREG GND		UNREG GND	251-9 251-9	,	E 0 3	112-48 • 49 • 50,277-3	UNREG GND UNREG GND		UNREG GND UNREG GND	110-48 · 49 · 50 110-48 · 49 · 50	-
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	-14	911	TYYYYYY	XX.			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NAMES GAD	50	THE GND	1110-48-49-50	
REG GND   110-1+2-3     REG GND   110-1+2-3     REG HD   110-1-2-3     REG HD   110-1-2-3     NHEG +V   110-6     REG -SV   110-6     NHEG -PV   110-6     NHEG -PV   110-44-45     NHEG -PV   110			0 6 C REC RF(0) 110-238 7 7 7 7 6 Pe B RF(X) 110-188 8 8 7 9 Pe B RF(X) 110-188 9 9 7 7 Pe B RF(X) 110-188 11 1 7 REC RF(X) 110-188 11 1 7 REC RF(X) 110-188 11 2 7 REC RF(X) 110-118	CKR83  1 DEW DET(X) 281-10 2 DEW DET(Q) 281-9		NC CH-A RE(X) 110-	4 OF A RE(Y) 110-288 10-288 10-288 10-288 10-288 110-288 .	CH285  1   FULL ERASE(Y)   110-428  2   FULL ERASE(S)   110-418  1   FULL ERASE(S)   110-418		CN274  1 MONI OUT(6) 111-35B 2 MONI OUT(7) 111-34A 2 0 CH 1 LINE OUT(6) 111-8B 4 0 CH 1 LINE OUT(7) 111-8A 5 CH 2 LINE OUT(7) 111-48 6 CH 2 LINE OUT(7) 111-48	NG	CN275 1 AU CH 1 INPUT(G) 112-18A 2 AU CH 1 INPUT(Y) 112-12B

16-161 (a1)

16-161 (a1)

UVW-1800/1600 UVW-1800P/1600P

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<b>,</b>		A REG GND	1 REG GND	111-1 • 2 • 3	-ŧ		
=		REG GND REG GND	2 REG GND 3 REG GND	111-1 • 2 • 3	<del>-</del>		i
<u>.</u>		REG +5V	4 REG +5V	111-4	-O5V		
-		UNREG +6V REG -5V	5 UNREG +6V 6 REG -5V		□8V •-5V		
	NC	UNREG -8V (REG GND)	7 UNREG -8V 8 (REG GND)	111-7 NC	<b>-10</b> -8 V		1
	NC NC	(REG GND) (REG GND)	9 (REG GND) 10 CH 1 INSERT CROSSTAL	NC K 111-21B	<b>≺</b> 158		
	NC	(REG GND)	11 (REG GND)	NC			
	NC 275-1	(REG GND) AU CH 1 INPUT(G)	12 AU CH 1 INPUT(Y) 13 (REG GND)	275-2 NC	<b>≺</b> 185		i
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	NC	(REG GND)	16 CH 1 REC VOL(X)	276-4	<b>≺</b> 187		
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	NC NC	(REG GND) (REG GND)	19 LTC REC I(G) 20 LTC REC I(X)		<b>≺</b> 134 <b>≺</b> 156		
E	NC NC	(REG GND) (REG GND)	21 LTC REC I(G) 22 (REG GND)		<b>≺</b> 157		
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	NC 281-30	(REG GND) L:AU CH 2 REC MUTE	24 L:AU CH 2 ERASE ON 25 L:AU CH 1 ERASE ON		<b>≺</b> 189 <b>≺</b> 190		1
L	NC 281-28	(REG GND) H:OSC OFF	26 L:AU CH 1 REC MUTE 27 H:LTC PB	281-29	<b>≺</b> 191 <b>≺</b> 138		
Ė	NC	(REG GND)	28 L:AU CH 1 BIAS ON	281-27	<b>&lt;</b> 192		
1	281-26 NC	L:AU CH 2 BIAS ON (REG GND)	29 H:BIAS ON 30 CH 2 INSERT CROSSTAL	K 111-21A	<b>≺</b> 139 <b>≺</b> 135		I I
	NC NC	(REG GND) (REG GND)	31 (REG GND) 32 CH 2 ENC(X)	NC 111-36A	<b>≺</b> 142		i
t	111-37A	CH 2 ENC(G) (REG GND)	33 (REG GND) 34 CH 2 REC VOL(X)	NC			
ť	111-38B,276-3	CH 2 REC VOL(G)	35 (REG GND)	NC	<b>≺</b> 193		
-	NC 275-4	(REG GND) AU CH 2 INPUT(G)	36 AU CH 2 INPUT(X) 37 (REG GND)	275-6 NC	<b>₹</b> 194		l I
	NC NC	(REG GND) (REG GND)	38 AU CH 2 INPUT(Y) 39 (REG GND)	275-5 NC	<b>≺</b> 195		
Ŀ	NC 111-33A,111-32B	(REG GND)	40 (REG GND) 41 CH 1 REC HEAD(X)	NC		CN112,CN264,CN265,CN275,CN276 • • • UVW-1800/1800P	
	NC	CH 1 REC HEAD(G) (REG GND)	42 CH 2 REC HEAD(G)	111-34B	<b>≺</b> 168 <b>≺</b> 170		i
F	111-33B	CH 2 REC HEAD(X) UNREG -12V	43 (REG GND) 44 UNREG -12V	NC 111-44 • 45	<b>-</b> 12V		
£		UNREG -12V UNREG +12V	45 UNREG -12V 46 UNREG +12V	111-44 • 45	-12V 12V		
⇟		UNREG +12V	47 UNREG +12V	111-46 • 47	-d12V m		
t		UNREG GND UNREG GND	48 UNREG GND 49 UNREG GND	111-48 • 49 • 50			1
L		UNREG GND	50 UNREG GND	111-48 • 49 • 50	<del>'</del> E		·
	REC VOL(X) 112-348 (1	REC VOL(S) 112-168. REC VOL(G) 112-161.	METER OUT 111-13B (16.2 OND 111-13B (16.2 OND 111-36A (14.4 OND 11	1 HP OUT(K) 111-10B (148 ET 1 HP OUT(K) 111-4B (178 ET 1 HP OUT(K) 111-4B (179 ET 1 HP OUT(K) 111-12B (179 ET 1 HP	111-40B	N REC EN AVV   110-28	
_	CN276	VR-155,402-4 VR-155,402-6 6 CH 1	CNR77 KY-248A,582-1 1 CH 1 M KY-248A,582-2 2 CH 2 M KY-248A,582-3 3 UNREO KY-246A,582-3 4 NO	CM278  PP-611A,401-1 1 0H 1 0H 1 1 1 0H 1 1 H 1 0H 1 1 0H 1	0	CHR21   CHR21   CHR21   CHR21   CHR22   CHR2	MB-471/471A BOARD (1/2 BOARD NO.1-648-919-11,21 UVW-1800 (J);#10001-10900 UVW-1800 (UC);#10001-13930 UVW-1800P(EK);#10001-14140 UVW-1600 (J);#10001-10600

UVW-1800/1600 UVW-1800P/1600P 16-161 (a2)

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16-161 (a2)

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D

UVW-1800 (J); Serial No.10001 through 10900 UVW-1800 (UC); Serial No.10001 through 13930 UVW-1800P(EK); Serial No.10001 through 14140 UVW-1600 (J); Serial No.10001 through 10600 UVW-1600 (UC); Serial No.10001 through 12900 UVW-1600P(EK); Serial No.10001 through 13780 MB-471/471A(2/2); MOTHER BOARD RP-70/70A/70P/70AP CN110 288 178 208 198 AP-31/31A/31P/31AP CN111 13A 14B 12B 37A 36B 38B 27B 28B 25B AR-14/14P 4 4 8 8 8 A 19B 21B 20B (UVW-1800/1800P) (X) HEC HEC / CN251 MB-471/471A CN261 FULL CN281 OUT(G) шш **DEW SENSOR** CN263 CH 1 INPUT(S)
CH 1 INPUT(X)
CH 1 INPUT(Y)
CH 2 INPUT(Q)
CH 2 INPUT(Y)
CH 2 INPUT(Y) CH 2 REC CH 2 REC 보 보 모 모 ∠ CN264 5 5 5 5 5 5 5 5 5 A A A A A DRUM MOTOR (UVW-1800/1800P) CN265 CN274 CP-226/226A/226J/226AJ (UVW-1800/1800P) VR-155 (UVW-1800/1800P) KY-249/249A CN277 HP-61/61A CN278 F INDEX NOTE: UVW-1800/1800P ONLY

16-163 (a1)

16-163 (a1)

UVW-1800/1600 UVW-1800P/1600P

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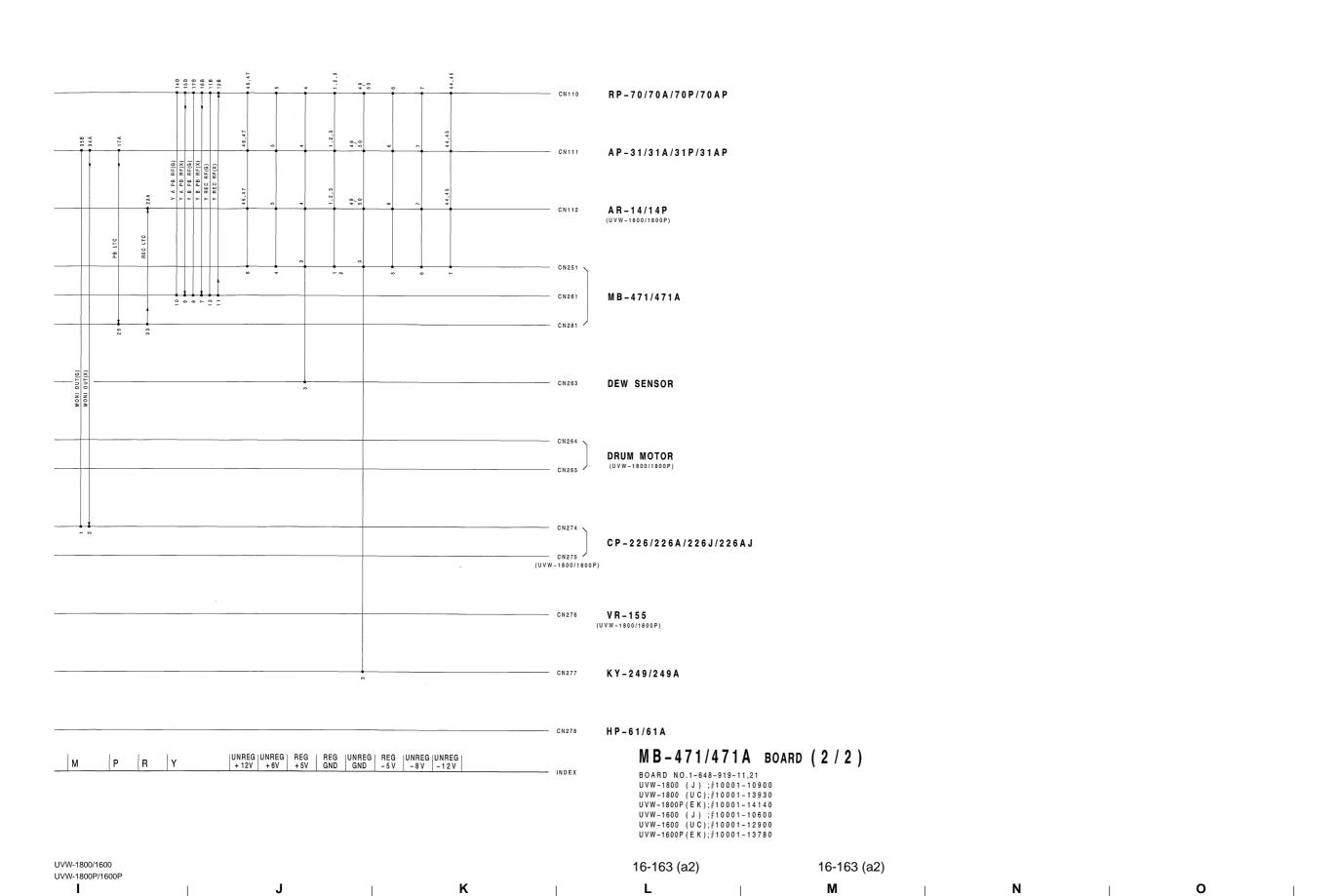
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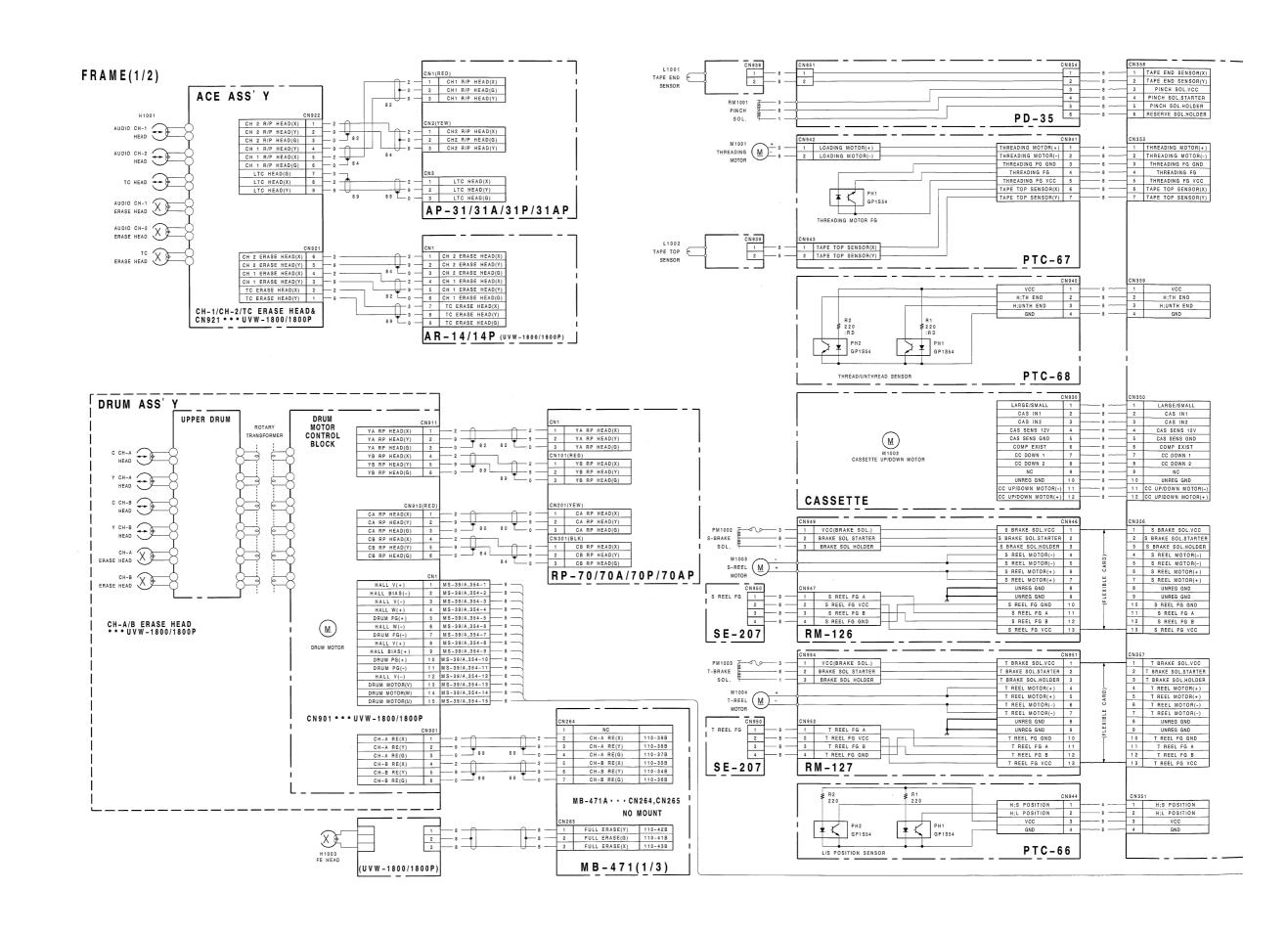
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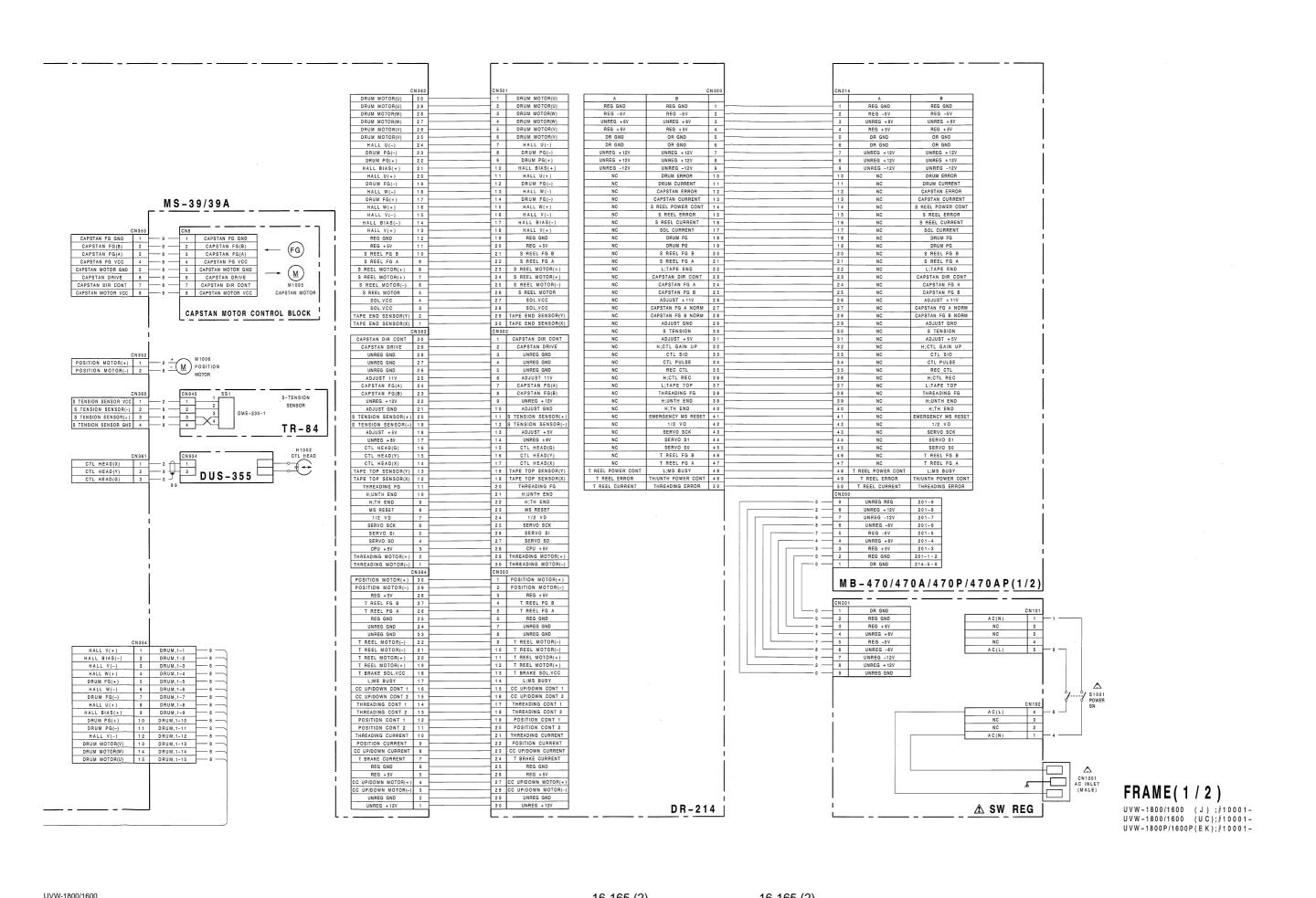
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16-165 (1) 16-165 (1) 16-165 (1) UVW-1800/1600P

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UVW-1800P/1600P

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16-165 (2)

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FRAME(2/2)

REG +5V UNREG +6V REG -5V REG +5V UNREG +6V REG -5V 200-3 200-4 110-6 200-5 UNREG -8V UNREG -12V 200-6 200-7 REG GND 110-44 - 45 UNREG -12V UNREG + 12V UNREG GND 110-46 - 47 UNREG +12V 200-8 SERIAL RX L;SERIAL READY SERIAL CLOCK L;CS KEY L;SYSTEM RESET 110-29B 110-27B C B PB RF(G) 2 C A PB RF(X) 3 C B PB RF(G) 103-13A L;CS DOT LOCAL SYNC PHASE 110-26B C A PB RF(G) C REC RF(X) REG +5V REG +5V 110-23B Y B PB RF(X) Y B PB RF(X) UNREG +12V Y B PB RF(G) 8 9 Y A PB RF(X)
10 Y A PB RF(G)
11 Y REC RF(X) Y A PB RF(X) Y A PB RF(G) 10 CH 1 METER OUT 1 MB-471/A,277-1
CH 2 METER OUT 2 MB-471/A,277-2
UNREG GND 3 MB-471/A,277-3 Y REC RF(X) 110-128 Y REC RF(G) 110-9B L;LTC ERASE ON 34 110-9A REC LTC 33 110-20B L;AU CH 2 ERASE ON 32 110-21B L;AU CH 1 ERASE ON 31 1 L;LTC ERASE ON 109-19A 2 REC LTC 109-20A 3 L;AU CH 2 ERASE ON 109-20B 4 L;AU CH 1 ERASE ON 109-19B AUDIO P15 AUDIO P16 L;AU CH 2 REC MUTE 30 5 L;AU CH 2 REC MUTE 109-18A VFD MODULE AUDIO P17 110-32B L;AU CH 1 REC MUTE 29 110-32A H;OSC OFF 28 6 L;AU CH 1 REC MUTE 109-18B
7 H;OSC OFF 109-17A VFD MODULE AUDIO P18 AUDIO P19 7 H;OSC OFF 109-17A
8 L;AU CH 1 BIAS ON 109-16A
9 L;AU CH 2 BIAS ON 109-16A
10 PB LTC 109-14A
11 LTC EQ(X) 103-7A
12 LTC EQ(X) 103-7A
13 H;CTL CUT 109-16B
14 L;AU CH 1 HEAD REC 109-13A
15 L;AU CH 1 HEAD REC 109-13A 110-43A L;AU CH 1 BIAS ON 27 263-2 L;AU CH 2 BIAS ON 26 VFD MODULE AUDIO P20 AUDIO P21 263-1 111-30B PB LTC LTC EQ(X) VFD MODULE AUDIO P22 AUDIO P23 AUDIO P24 111-29B LTC EQ(G) 23 111-28B H;CTL CUT 22 111-27B L;AU CH 1 HEAD REC 21 VFD MODULE AUDIO P25 AUDIO 2G 111-27A L;AU CH 1 PB MUTE 15 L;AU CH 1 PB MUTE 109-15B 16 L;AU CH 2 PB MUTE 109-14B VFD MODULE AUDIO 1G AUDIO P14 AUDIO P13 111-26B L;AU CH 2 PB MUTE 19 17 L;AU CH 2 HEAD REC 109-12A 18 L;AU CH 1 PB 109-13B 19 L;AU CH 2 PB 109-12B VFD MODULE 111-25B L;AU CH 2 HEAD REC 18 111-25A L;AU CH 1 PB 17 111-24B L;AU CH 2 PB 16 VFD MODULE VFD MODULE 1 6 AUDIO P12 17 AUDIO P11 20 H;LTC PB 21 L;AUDIO ATT ON 22 L;SLOW EQ ON 109-11A VFD MODULE AUDIO P10 111-22B L;SLOW EQ ON (GUARD) H;NR ON 109-10B VFD MODULE AUDIO P8 23 H;NR ON 24 L;MAINTE MODE 11-17B L;MAINTE MODE 111-17A DEW DET(X) 112-29A DEW DET(G) 2 5 DEW DET(X) 2 6 DEW DET(G) H;FULL ERASE ON 27 H;FULL ERASE ON 109-9A VFD MODULE AUDIO P5 L;RE B CONT L;RE A CONT 28 L;RE B CONT 109-8A 29 L;RE A CONT 109-9B VFD MODULE VFD MODULE AUDIO P4 AUDIO P3 112-26B 112-25A L;C B REC EN A/V 112-25B L;C A REC EN A/V 30 L;C B REC EN A/V 109-7A VFD MODULE AUDIO P2 31 L;C A REC EN A/V 109-8B AUDIO P1 112-24B L;REC CONT 112-23A L;Y B REC EN A/V 32 L;REC CONT 109-7B VFD MODULE -24V OUT 33 L;Y B REC EN A/V 109-6A 34 L;Y A REC EN A/V 109-6B VFD MODULE VFD MODULE AU F2 OUT NC 112-23B L;Y A REC EN A/V VFD MODULE VFD MODULE AU F1 OUT NC RP-70/70P/70A/70AP CN111 AP-31/31P/31A/31AP VFD MODULE VFD MODULE VFD MODULE -27V OUT F2 OUT AR-14/14P 281-10 DEW DET(X)
281-9 DEW DET(G) DEW DET(X) 1 F1 OUT VFD MODULE GND VFD MODULE GND MB-471/471A(2/3) KY-249/249A AUDIO LEVEL METER GND Y RF GND Y SW C RF UNREG + 12V Factory UNREG +6V UNREG GND RXD V cc GND LTC EQ(X) Factory GND GND UNREG -8V LTC EQ(G) UNREG -12V REG +5V TRAKING REG GND VP-43/43A/43P/43AP <u>SS-53</u>

16-167 (1)

16-167 (1)

UVW-1800/1600 UVW-1800P/1600P Н

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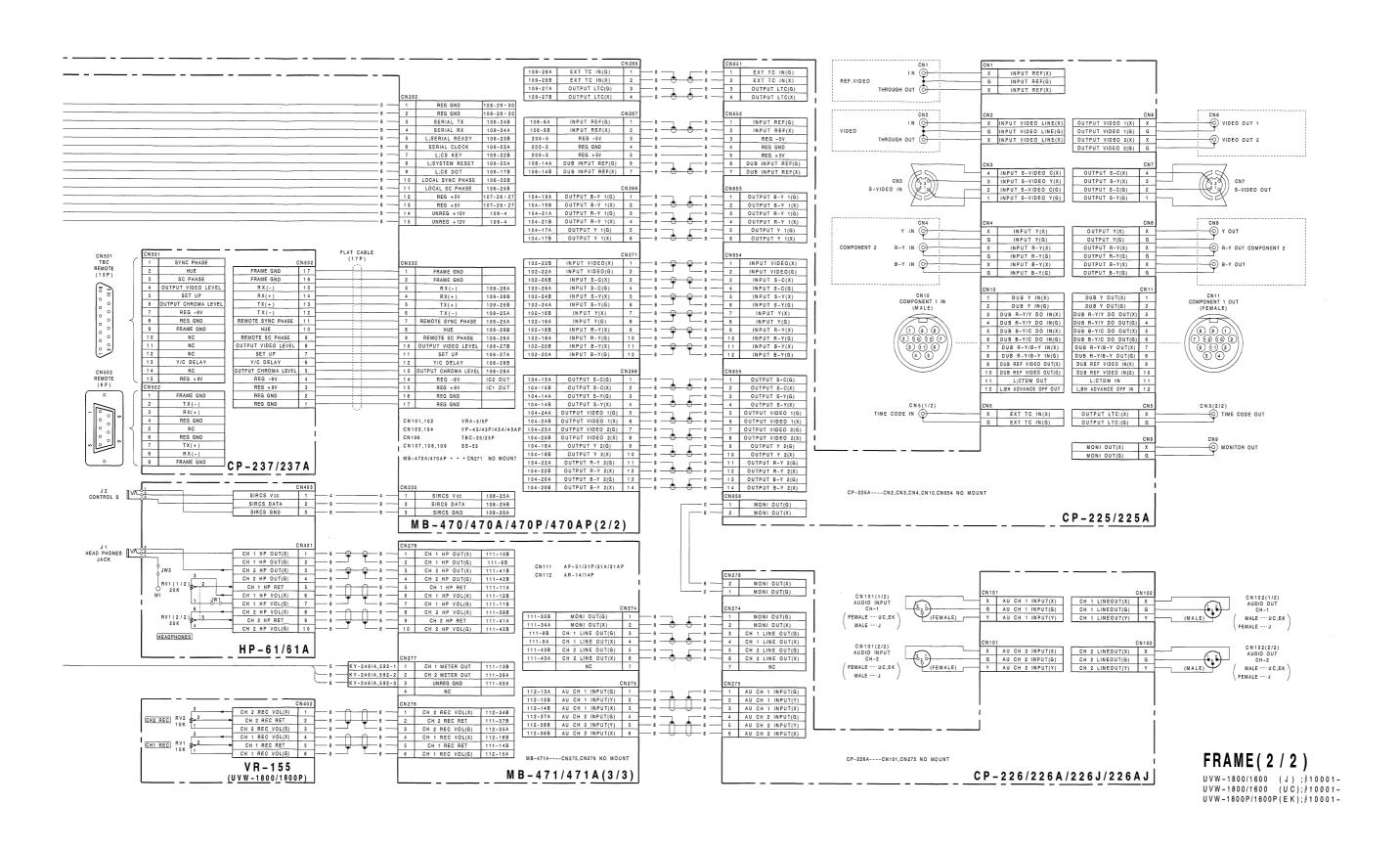
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UVW-1800/1600 UVW-1800P/1600P ı

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16-167 (2)

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# SECTION 17 SEMICONDUCTOR PIN ASSIGNMENTS

この章の図の中には互換性のないダイオード、トランジスタ、ICが併記されていることがあります。部品を交換するときには必ず部品表を参照してください。

等価回路はICメーカーのData Bookに従いました。

The chart in this section may sometimes show diodes, transistors, and ICs that are not interchangeable. When replacing a component, be sure to refer to the parts list. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

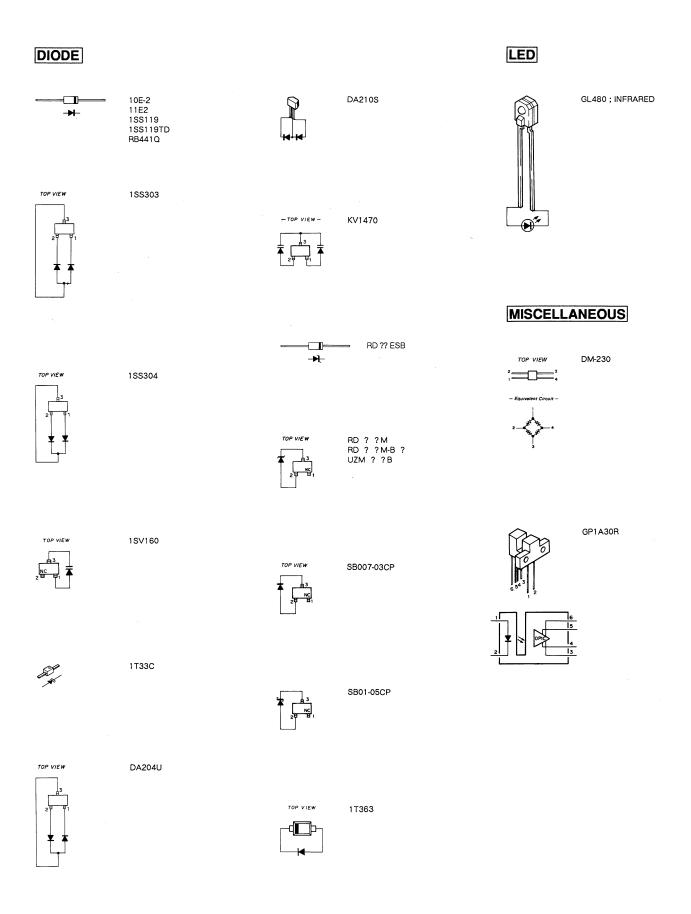
DIODE	PAGE	TRANSISTOR	PAGE	IC	PAGE	IC	PAGE
10E-2	17-3	2SB810	17-4	74F00SJ	17-6	M51957BFP	17-22
11E2	17-3	2SB941	17-4			M51957BL	17-22
		2SC1623	17-4	AM27C020-15	50DC 17-6	M51958A	17-22
1SS119	17-3	2SC2458	17-4	AN77L05	17-6		17-22
1SS119TD		2SC2655			-	M54532P	17-22
1SS303	17-3	2SC2715	17-4	BX3914	17-6		
1SS304	17-3	2SC2715Y	17-4			MB4002PF .	17-22
1SV160	17-3	2SC2785	17-4	CX20188		MB40568	17-23
1T33C	17-3	2SC3012	17-4	CX22017	17-6	MB40568PF	17-23
1T363	17-3	2SC3332	17-4			MB88201	17-22
		2SC3399	17-4	CXA1370Q	17-8	MB88342PF	17-23
DA204U	17-3	2SC3735	17-4	CXA1450M	17-7		
DA210S	17-3	2SC4176-B35	17-4	CXA1451M	17-7	MC14051BF	17-23
		2SC4177	17-4	CXA1479Q	17-8	MC14052BF	17-23
KV1470	17-3	2SC4178-F13	17-4	CXA1521M	17-7	MC14053BC	P17-23
		2SC4213A	17-4	CXA1727Q	17-37	MC14053BF	17-23
RB441Q	17-3					MC14066BF	17-24
RD??ESB	17-3	2SD1020	17-4	CXD101-1060	Q 17-38	MC14069UB	F17-24
RD??M	17-3	2SD1021	17-4	CXD1095Q	17-9	MC14576BF	17-24
RD??M-B?	17-3	2SD2136	17-4	CXD1151Q	17-10	MC14576CF	EL17-24
		2SD596-DV5	17-4	CXD1171M	17-9	MC34051M.	17-24
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				CXD2202Q	17-12	MC74HC400	2F17-25
UZM??B	17-3	2SJ106	17-4	CXD2207Q	17-13	MC74HC402	4N 17-25
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		2SK852		CXD8310M	17-10	NJM2068DD	17-26
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						NJM360M	17-26
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2SA1611			•	LM1881M	17-19	SC14S66FE	17-27
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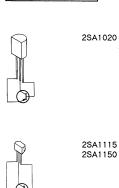
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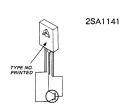
## DIODE, LED, MISCELLANEOUS

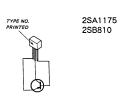


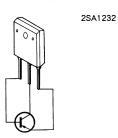
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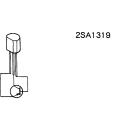
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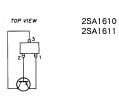


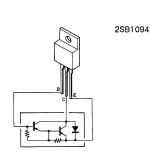


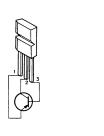


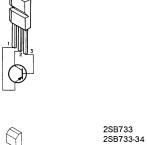






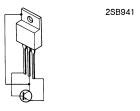


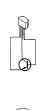


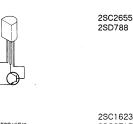


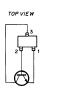
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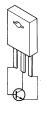
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2SC2458



2SC2785 2SD1020 2SD1021

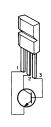
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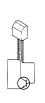
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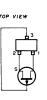
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2SD2136

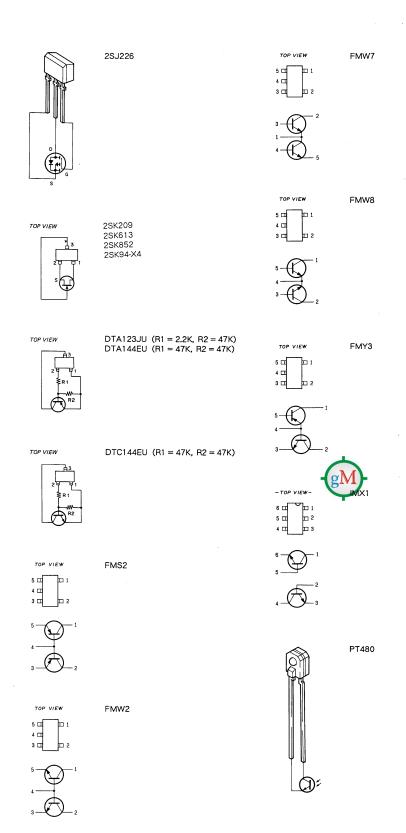


2SD773



2SJ106

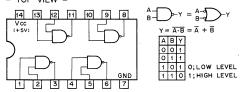
### **TRANSISTOR**



### IC

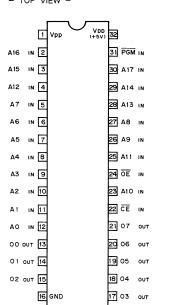
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TTL 2-INPUT POSITIVE-NAND GATE - TOP VIEW -

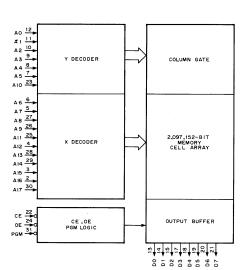


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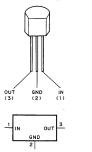
C-MOS 2M (262,144x8)-BIT UV ERASABLE PROM - TOP VIEW -



A0 - A17 O0 - O7 CE OE PGM : ADDRESS INPUT : DATA OUTPUT : CHIP ENABLE : OUTPUT ENABLE : PROGRAM INPUT



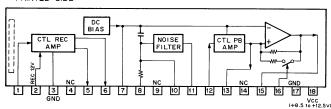
AN77L05 (PANASONIC) + 5V POSITIVE VOLTAGE REGULATOR - FRONT VIEW -



BX3914 (SONY)

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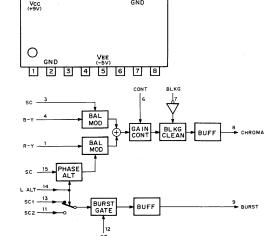
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CX22017 (SONY)

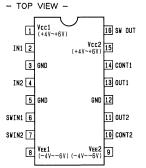
VIDEO SIGNAL PROCESSOR - TOP VIEW -

16 15 14 13 12 11 10 9



#### CXA1451M (SONY)

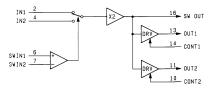
WIDEBAND VIDEO SWITCH





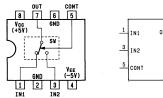
INPUT
CONT1, 2; POWER SAVE CONTROL PIN OF DRV.1 AND DRV.2
INT1, 2; 1/2-CHANNEL INPUT PIN
SWIN1, 2; IN1/IN2 PINS SWITCH CONTROL PIN

OUTPUT OUT1, 2 SWOUT OUTPUT PIN OF DRV.1/2 OUTPUTS IN1 PIN OR IN2 PIN WHICH HAS BEEN SELECTED BY SWITCH.



#### CXA1450M (SONY) FLAT PACKAGE

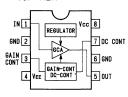
VIDEO SIGNAL SWITCH - TOP VIEW -





### CXA1521M (SONY)

GAIN CONTROL AMP - TOP VIEW -



#### CX20188 (SONY)

DOLBY B TYPE AND C TYPE, NOISE REDUCTION SYSTEM  $\boldsymbol{\mathsf{-}}$  TOP VIEW  $\boldsymbol{\mathsf{-}}$ 

\*2·\*3 VEE 42 REC(+)A LINE A 9 PB(+) A PB(-)A REC(+) A IN 2 41 REC(+) B IN REC(-) A REC(+) B I REF 3 40 CAL IN PB(+) B LINE B 37 PB(-) B REC(-)B PB (+) A IN 4 39 PB(+) B IN REC(-)B
CAL
SCAL/REC/PB CAL / REC / PB IN 5 38 OFF/B/C IN OFF/B/C SSK PB (-) A IN 6 37 PB(-)B IN 12 TCH1 A REC (-) A IN 7 36 REC(-)BIN 15 17 13 TCH2A TCL2A #1 GND TCL1 8 GND 35 18 LWT 19 20 LHPF . LINE A OUT 9 34 LINE BOUT ANTS 21 REC SSK A OUT TO 33 SSK В оит 33 SSK VFA IN 11 32 VF B IN HHPF B 29 тсн1 в 28 26 31 HHPF B OUT HHPF A OUT 12 HWT B тсн2В TCL1 B TCH2 A IN 13 30 TCH2 B IN LWT B TCL 2B TCH1 A OUT 14 29 ТСНІ В оит ANTS B 22 REF HWT A OUT 15 28 НWТ В оит 27 TCL 2 B IN TCL2A IN 16 TCL1 A OUT 17 26 TCL1 B 0UT LWT A OUT 18 25 LW Т В оит LHPF A OUT 24 LHPF B OUT ANTS A OUT 20 23 ANTS B OUT

22 REC B OUT

\*1; ONE POWER+VCC/2. TWO POWER+GND \*2; ONE POWER+GND. TWO POWER+VEE \*3; VCC- VEE : +8 10 +21V

REC A OUT 2

ANTS : ANTI SATURATION CALIBRATION

CAL/REC/F CALIBRATION/REC/ PB SELECT

THES HIGH PASS FILTER

HWT

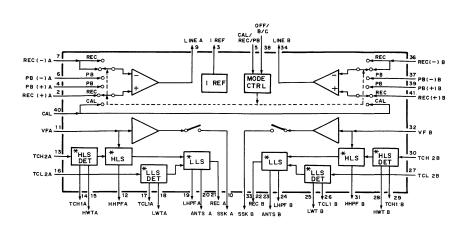
REFERENCE SOURCE CURRENT LLS HIGH PASS FILTER LLS WAITING I REF LHPF

DOLBY NR OFF/B-TYPE/C-TYPE SELECT OFF/B/C

SPECTRAL SKEWING SWITCH SSK тсн

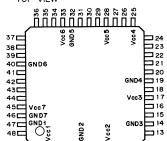
TCL LLS DETECTOR TIME CONSTANT ٧F : ENCODE INPUT

\*HLS ; HIGH LEVEL STAGE \*LLS ; LOW LEVEL STAGE



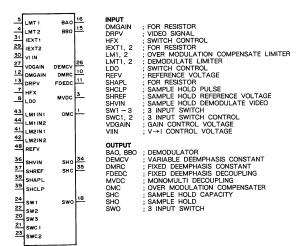
#### CXA1370Q (SONY)

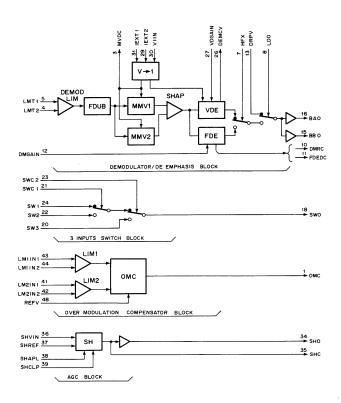
DEMODULATOR/OVER MODULATION COMPENSATOR - TOP VIEW -



											(Vcc = + 5V)
PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGANL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL
1	0	OMC	13	_	DRPV	25	-	Vcc4	37	_	SHREF
2 .	5	Vcc1	14	-	GND3	26	0	DEMCV	38	-	SHAPL
3	0	MVDC	15	0	BBO	27	1	VDGAIN	39	1	SHCLP
4	1	LMT2	16	0	BAO	28	-	Vcc5	40	-	GND6
5	_	LMT1	17	-	Vcc3	29	1	IEXT2	41	1	LM2IN1
6	-	GND2	18	0	SWO	30	1	VIIN	42	1	LM2IN2
7	1	HFX	19	-	GND4	31	1	IEXT1	43	1	LM1IN1
8	1	LDO	20	1	SW3	32	-	GND5	44	1	LM1IN2
9	-	Vcc2	21	T	SWC1	33	-	Vcc6	45	_	Vcc7
10	0	DMRC	22	1	SW2	34	0	SHO	46	-	GND7
11	0	FDEDC	23	1	SWC2	35	0	SHC	47	_	GND1
12	1	DMGAIN	24	1	SW1	36	1	SHVIN	48	-1	REFV

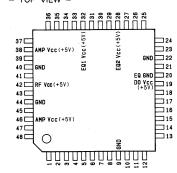
Vcc1, GND1; FOR OVER MODULATION COMPENSATOR
Vcc2, GND2; FOR DEMODULATOR
Vcc3, GND3; FOR BUFFER
Vcc4, GND4; FOR 3 INPUT SWITCH
Vcc5, GND5; FOR DEMODULATOR
Vcc6, GND6; FOR SAMPLE HOLD
Vcc7, GND7; FOR LIMITER





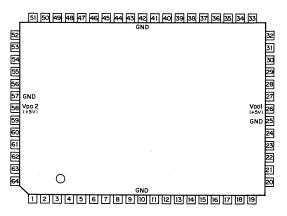
#### CXA1479Q (SONY)

PB RF SIGNAL PROCESSOR FOR VTR - TOP VIEW -



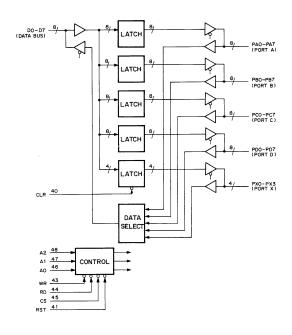
PIN NO.	1/0	SIGNAL	PIN NO.	1/0	SIGNAL	PIN NO.	1/0	SIGNAL	PIN NO.	1/0	SIGNAL
1	-	CHSW CONT	13	- 1	OFF SET1	25		EQ2(A)IN	37	0	AB RF OUT
2	1	OFF SET2	1.4	1	IN A	26	1	EQ2(MAIN)CNT	38	-	AMP Vcc
3	0	AOR OUT	15	- 1	EQSEL	27	1	EQ2(B)IN	39		RF(A)IN
4	1	ENV(B)	16	1	IN B	28	-	EQ2 Vcc	40	-	GND
5	-	ENV(A)	17	-	DCPL1	29	0	EQ1 OUT	41	1	RF(B)IN
6	0	TH OUT	18	0	DO EQ	30	1	EQ1 CONT	42	-	RF Vcc
7	1	TH CONT	19	-	DO Vcc	31	T	EQ1(B)IN	43	T	RF(C)IN
8	0	DO OUT	20	-	EQ GND	32	-	EQ1 Vcc	44	-	GND
9	0	REF	21	0	EQ2(MAIN)OUT	33	- 1	EQ1(A)IN	45	1	RF(D)IN
10	1	ENV IN	22	-	GND	34	1	GAIN CNT	46	-	AMP Vcc
11	0	DET OUT2	23	0	EQ2(SUB)OUT	35	0	SWD RF	47	0	CD RF OUT
12	_	DET OUT1	24	1	EO2/SLIB/CNT	36	1	BELEVEL	48	1	MODE CONT

CXD1095Q (SONY) FLAT PACKAGE C-MOS I/O PORT EXPANDER - TOP VIEW -

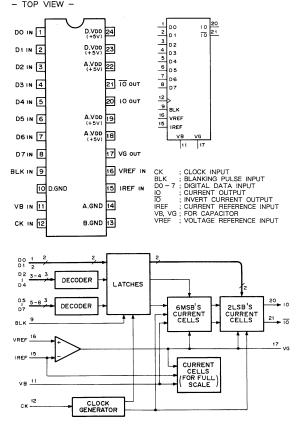


PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	оит	SYMBOL
1			NC	17	0	0	PC6	33			NC	49	0	0	PX0
2	L		NC	18	0	0	PC7	34			NC	50	0	0	PX1
3	0	0	PB1	19			NC	35	0	0	D3	51			NC
4	0	0	PB 2	20	0	0	PDO	36	0	0	D4	52	0	0	PX2
5	0	0	PB3	21	0	0	PD1	37	0	0	D5	53	0	0	PX3
6	0	0	PB4	22	0	0	PD2	38	0	0	D6	54	0	0	PAO
7	0	0	PB 5	23	0	0	PD3	39	0	0	D7	55	0	0	PA1
8	0	0	PB6	24	0	0	PD4	40	0		CLR	56	0	0	PA2
9	0	0	PB7	25			GND	41	0		RST	57			GND
10			GND	26	0		VDD (+5V)	42			GND	58	0		VDD (+5V)
11	0	0	PCO	27	0	0	PD5	43	0		WR	59	0	0	PA3
12	0	0	PC1	28	0	0	PD6	44	0		RD	60	0	0	PA4
13	0	0	PC2	29	0	0	PD7	45	0		CS	61	0	0	PA5
14	0	0	PC3	30	0	0	DO	46	0		AO	62	0	0	PA6
15	0	0	PC4	3	0	0	D1	47	0		A1	63	0	0	PA7
16	0	0	PC5	32	0	0	D2	48	0		A2	64	0	0	PBO

			_								
		PAO	54		cs	RD	WR	A2	A 1	AO	MODE
			55		0	0	1	0	0	0	PORT A DATA BUS
			56		0	0	1	0	0	1	PORT B - DATA BUS
			59		0	0	1	0	1	0	PORTC-DATA BUS
			60 61		0	0	1	0	1	1	PORT D-DATA BUS
30			62		0	0	1	1	0	0	PORT X-DATA BUS
31	DO D1		63		0	0	1	1	0	1	
32	D2	r Ai			0	0	1	1	1	0	
<u>35</u>	D3	PBO	64		0	0	1	1	1	1	
36	D4	PB1	3		0	1	0	-	0	0	DATA BUS-PORT A
37	D5	PB2	4			ı.	-	_	<u> </u>	-	
38	D6	PB3			0	1	0	0	0	1	DATA BUS-PORT B
39	D7	PB4	-		0	1	0	0	1	0	DATA BUS PORT C
49		PB5			0	1	0	0	1	1	DATA BUS-PORT D
	PX0 PX1	PB6 PB7			0	1	0	1	0	0	DATA BUS-PORT X
52	PX2	FDI			0	1	0	1	0	1	
53	PX3	PCO	11		0	1	0	1	1	0	DATA BUS -CTL REG.1
		PC1	12		0	1	0	1	1	1	DATA BUS →CTL REG.2
46	AO	PC2	13		1	х	х	Х	х	×	DATA BUS; HI-Z
47 48	A 1	PC3	16								
	A2	PC4 PC5					OW L				
45	cs	PC5 PC6					ד'אכ				
44	PD.	PC7	140		H1-2	, н	GH	MPE	DAN	CE	
43	WR										
		PDO	20								
410	RST	PD1	21	(							S/OUTPUTS
<u>40</u>	CLR	P02	22				CHII				
		P03	23								NPUT
		P04 P05	27				ADD				INPUT
		PD5 PD6	28				RES				
		PD6 PD7	29				CLE				
		PUI	Г	PA							OUTPUTS
											OUTPUTS
				PC	:0-F	C7 ;	POR	тс	INP	UTS	OUTPUTS
											OUTPUTS
				PX	0-P	ΧЗ ;	POR	ΤX	INP	UTS/	OUTPUTS

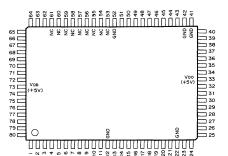


CXD1171M (SONY) FLAT PACKAGE C-MOS 8-BIT D/A CONVERTER - TOP VIEW -



#### CXD1151Q (SONY)

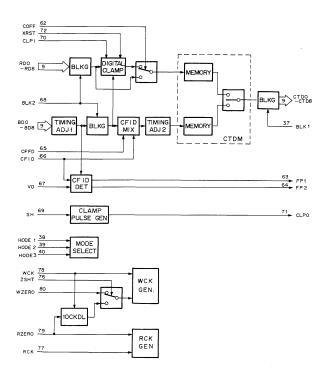
C-MOS VIDEO SIGNAL PROCESSOR FOR BETACAM - TOP VIEW -



#### PIN ASSIGNMENT

Pin NO.	1/0	SIGNAL									
_1	_	RDO	21	1.	BD8	41		NC	61		NC
2	- 1	RD1	22		Vss (GND)	42	-	Vss (GND)	62	1	COFF
_ 3	- 1	RD2	23	0	TMO	43	0	CTDO	63	- 1	FP1
4	1	RD3	24	0	TM1	44	0	CTD1	64	-1	FP2
5	1	RD4	25	0	TM2	45	0	CTD2	65		CFFD
6	-	RD5	26	0	TM3	46	0	CTD3	66	1	CFID
_ 7	1	RD6	27	0	TM4	47	0	CTD4	67	ŀ	٧o
8	_	RD7	28	0	TM5	48	0	CTD5	68	1.	BLK2
9	1	RD8	29	0	TM6	49	0	CTD6	69	1	SH
10	_	TSL2	30	0	TM7	50	0	CTD7	70		CLPI
11	1	TSL3	31	0	TM8	51	0	CTD8	71	0	CLPO
12	-	Vss (GND)	32	0	TM9	52	-	Vss (GND)	72	- 1	XRST
13	1	BDO	33	-	Vpp (+5V)	53		NC	73	1	VDD (+5V)
14	_	BD1	34	-	TMOD	54		NC	74	ı	TST1
15	- 1	BD2	35	- 1	TMEN	55		NC	75	1	TST2
16	1	BD3	36	1	TSL 1	56		NC	76		ZSHT
17	1	BD4	37		BLK1	57		NC	77	1	RCK
18	_	BD5	38	1	MODE1	58		NC	78	1	WCK
19	- 1	BD6	39	. 1	MODE 2	59		NC	79	- 1	RZERO
20	- 1	BD7	40	-	MODE3	60		NC	80	1	WZERO

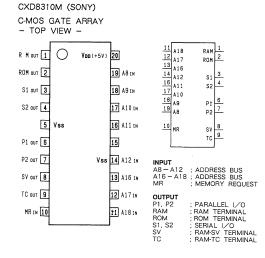
RDO-RD8





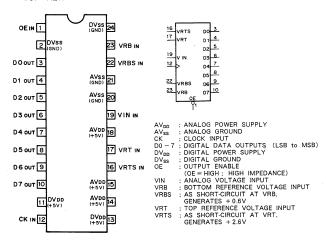
; R-Y DATA INPUTS ; B-Y DATA INPUTS BDO-BD8 ; DIGTAL CLAMP CIRCUIT CONTROL INPUT ; DIGTAL CLAMP CIRCUIT RESET PULSE INPUT ; CLAMP PULSE INPUT FOR DIGITAL CLAMP XRST CLPI FIELD SIGNAL INPUT FOR COLOR FRAMING ID MIX FULSE INPUT FOR COLOR FRAMING ID MIX COLOR FRAMING DETECT CIRCUIT RESET PULSE INPUT CFFD CFID ; TRIGGER INPUT FOR CLPO OUTPUT ; BLKG PULSE INPUTS ; MEMORY SELECT INPUT IN TEST MODE BLK1, BLK2 TSL1 TSL2, TSL3 : TEST INPUTS :TEST MODE CONTROL INPUT
:MEMORY ADD CONTROL INPUT IN TEST MODE
:DIGITAL CLAMP CIRCUIT TEST CONTROL INPUTS
:WHITE CLOCK INPUT \_F
:READ CLOCK INPUT \_F TMOD TST1, TST2 WCK RCK ; WATITE ZERO INPUT 12; READ ZERO INPUT 12; INTERNALIEXTERNAL WZERO SELECT INPUT WZERO RZERO ZSHT CTD0-CTD8 CTDM DATA OUTPUTS ; COLOR FRAMING DETECT PULSE OUTPUTS ; CLAMP PULSE OUTPUT DIGITAL CLAMP CIRCUIT TEST SIGNAL OUTPUTS TM0-TM9 MODE1-MODE3; MODÉ SELECT INPUTS

MODE 1			1		]		1			
MODE 2		1		_		1		5		
MODE3	1	0	. 1	0	1	0	1	0		
пfн	910fH	8581н	909fн	Х	908f H	864fн	1135fH	TCLR		
O:LOW LEVEL 1: HIGH LEVEL										



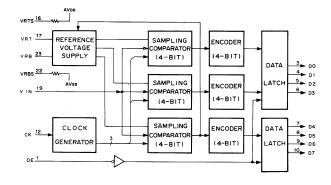
TST 1

#### CXD1175AM (SONY) FLAT PACKAGE C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER - TOP VIEW -

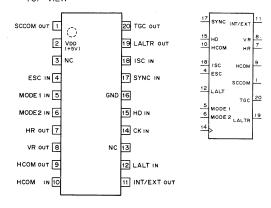


STEP	INPUT SIGNAL			D	ATA O	UTPU	TS		
516	VOLTAGE	D7	D6	D5	D4	D3	D2	D1	D0
0	0V (VRT)	1	1	1	1	1	1	1	1
1	0.01V	1	1	1	1	1	1	1	0
1			-	-	:	- :		-	- :
:	:	- 1				1	1 :	:	:
127	1.34V	1	0	0	0	0	0	0	0
128	1.35V	0	1	1	1	1	1	1	1
		- :			-			- :	
:	:	:		:	1	1	:		:
255	2.7V (VRB)	0	0	0	0	0	0	0	0

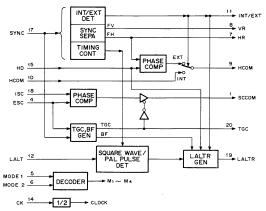
0 : LOW LEVEL 1 : HIGH LEVEL



#### CXD1216M (SONY) FLAT PACKAGE C-MOS GENLOCK DRIVER - TOP VIEW -



INF	INPUT		SYSTEM					
MODE1	MODE2	MODE	STSTEM					
0	0 0		PAL-VBS					
1	0	M2	PALM-VBS					
0	1	M3	PAL,SECAM-VS/SC/LALT					
1	1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT					

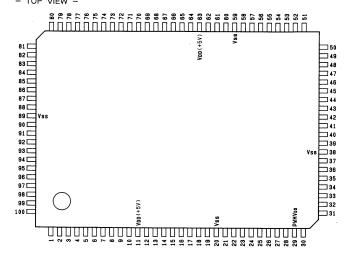


INPUT CK ESC HCOM HD ISC LALT MODE1,2 SYNC

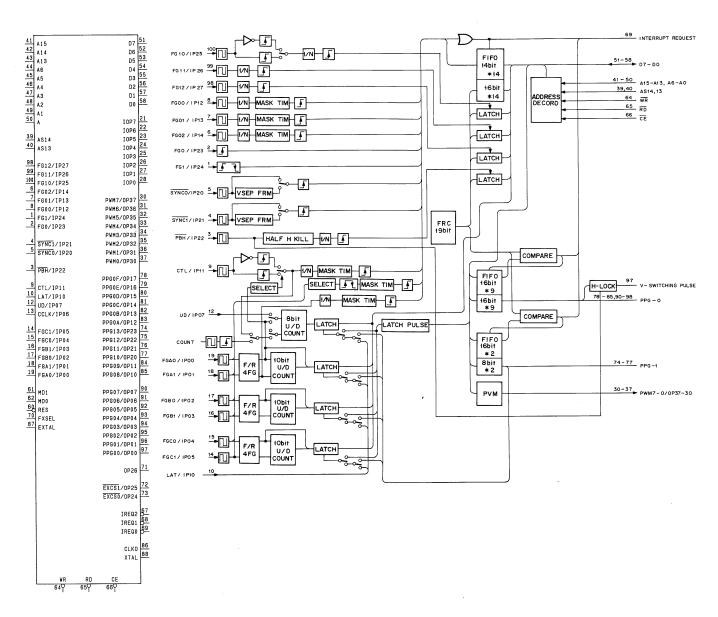
4fsc CLOCK INPUT SC/COLOR BURST PHASE COMPARATE FROM CXD1217 H DRIVE FROM CXD1217 SUBCARRIER FROM CXD1217 LALT FROM REFERENCE SIGNAL GENERATOR SYSTEM SELECT SYNC FROM REFERENCE SIGNAL GENERATOR

OUTPUT HCOM HR INT/EXT LALTR SCCOM TGC VR : PHASE COMPARATOR HR WITH HD : fH OF SYNC SEPARATE : INTERNAL/EXTERNAL SPECIFIED : LINE CHANGE RESET : PHASE COMPARATOR ESC WITH ISC : TRISTATE CONTROL : fV OF SYNC SEPARATE





											$(V_{DD} = + 5V)$
PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL
1	-	FG1/IP24	26	1/0	IOP2	51	1/0	D7	76	0	PPG11/0P21
2	П	FG0/IP23	27	1/0	IOP1	52	1/0	D6	77	0	PPG10/OP20
3	1	PBH/IP22	28	1/0	IOP0	53	1/0	D5	78	0	PPGOF/OP17
4	1	SYNC1 / IP21	29	-	PWM VDD	54	1/0	D4	79	0	PPGOE/OP16
5	1	SYNC0/IP20	30	0	PWM7/OP37	55	1/0	D3	80	0	PPGOD/OP15
6	1	FG02/IP14	31	0	PWM6/OP36	56	1/0	D2	81	0	PPGOC/OP14
7	1	FG01/IP13	32	0	PWM5/OP35	57	1/0	D1	82	0	PPGOB/OP13
8	1	FG00/IP12	33	0	PWM4/OP34	58	1/0	D0	83	0	PPGOA/OP12
9	1	CTL/IP11	34	0	PWM3/0P33	59	-	Vss	84	0	PPG09/0P11
10	ı	LAT/IP10	35	0	PWM2/OP32	60	- 1	RES	85	0	PPG08/OP10
11	-	VDD	36	0	PWM1/0P31	61	1	MD1	86	0	CLKO
12	1	UD/IP07	37	0	PWM0/OP30	62	1	MD0	87	ı	EXTAL
13	- 1	CCLK/IP06	38	-	Vss	63	-	VDD	88	0	XTAL
14	T	FGC1/IP05	39	1	AS14	64	1	WR	89	_	Vss
15	- 1	FGC0/IP04	40	1	AS13	65	1	RD	90	0	PPG07/0P07
16	- 1	FGB1/IP03	41	ı	A15	66	-	CE	91	0	PPG06/OP06
17	1	FGB0/IP02	42	1	A14	67	0	IREQ2	92	0	PPG05/0P05
18	1	FGA1/IP01	43	1	A13	68	0	IREQ1	93	0	PPG04/0P04
19	1	FGA0/IP00	44	1	A6	69	0	IREQ0	94	0	PPG03/0P03
20	Ī -	Vss	45	1	A5	70	- 1	FXSEL	95	0	PPG02/0P02
21	1/0	IOP7	46	- 1	A4	71	0	OP26	96	0	PPG01/OP01
22	1/0	IOP6	47	1	A3	72	0	EXCS1/OP25	97	0	PPG00/OP00
23	1/0	IOP5	48	- 1	A2	73	0	EXCS0/OP24	98	1	FG12/IP27
24	1/0	IOP4	49	- 1	A1	74	0	PPG13/OP23	99	1	FG11/IP26
25	1/0	IOP3	50	- 1	A0	75	0	PPG12/OP22	100		FG10/IP25



INPUT
AO — A15
AS13 AS14: SELECTING CONDITION OF ADDRESS DECODER AS13 AS14: SELECTING CONDITION OF ADDRESS DECODER AS13 AND AS14 BITS
CCLK
B-BIT COUNTER CLOCK INPUT
CE
CE: CHIP ENABLE
CTL: RESOLUTION 2.5MHz WITH EDGE SELECT FUNCTION. WITH FREQUENCY DIVISION MASK TIMER
EXTAL CRYSTAL OSCILLATION OR EXTERNAL CLOCK INPUT
FGO: RESOLUTION 2.5MHz WITH EDGE SELECT FUNCTION. WITH FREQUENCY DIVISION MASK TIMER
FGOO - FGO2: FREQUENCY DIVISION ENABLE RESOLUTION 2.5MHz.
WITH FREQUENCY DIVISION MASK TIMER
FGI: RESOLUTION 2.5MHz BOTH EDGES
FGIO: EDGE SELECTION ENABLE RESOLUTION 10MHz
FGAI: 12: FREQUENCY DIVISION ENABLE RESOLUTION 10MHz
FGAI: 10: BITS. UP / DOWN IS MADD FGIO: PERFORMS FORWARD / REVERSE ROTATION
DETECTION AND AFG COUNT (UP / DOWN) BY FGAO
AND FGAI: 10: BITS. UP / DOWN IS MADE BY
CONTROLLING THE UP / DOWN OF 8-BIT COUNTER.
\* 1: SELECTS ONE OF FGAO TO FGC! INPUT AND
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.
\* 1: SELECTS ONE OF FGAO TO FGC! INPUT AND
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGGO: PERFORMS FORWARD / REVERSE ROTATION
DETECTION AND AFG COUNT BY FGGO AND FGG!.
\* 1: SELECTS ONE OF FGAO TO FGC! INPUT AND
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGCO: PERFORMS FORWARD / REVERSE ROTATION
DETECTION AND AFG COUNT BY FGGO AND FGG!.
FGCI: \* 1: SELECTS ONE OF FGAO TO FGC! INPUT AND
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGCO: PERFORMS FORWARD / REVERSE ROTATION
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGCO: PERFORMS FORWARD / REVERSE ROTATION
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

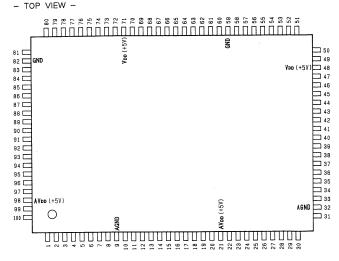
FGCO: PERFORMS FORWARD / REVERSE ROTATION
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGCO: PERFORMS FORWARD / REVERSE ROTATION
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGCO: PERFORMS FORWARD / REVERSE ROTATION
DETECTS BOTH EDGES AND PERFORM THE FRC
CAPTURE THROUGH THE MASK TIMER.

FGCO: PER

CXD2207Q (SONY)
C-MOS TBC WRITE CLOCK GENERATOR FOR BETACAM

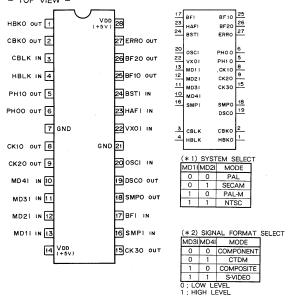


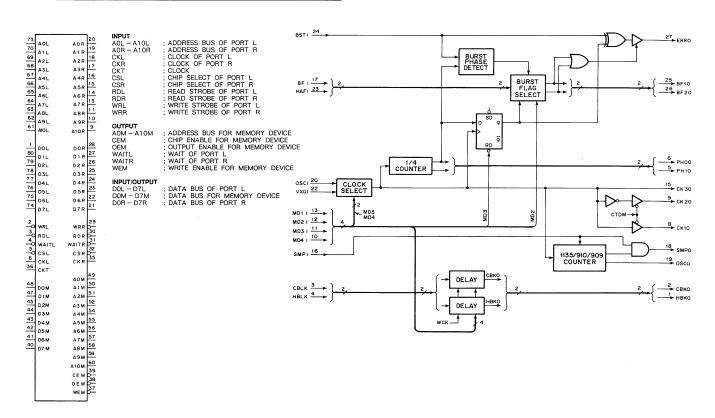
										<b>∨</b> ∪∪ =	AVDD = + 5V
PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL
1	0	SYNC	26	1	FOPO	51	1	PBE	76		SVLK
2	i i	BLK	27	1	SHOT	52	1	NOS	77	_	SVD
3	1	VIN4	28	. 1	BCPI	53	1	SPD	78	1	OFF
4	1	REF3	29	0	BCPO	54	- 1	R20	79	0	IOCK
5	1	VIN3	30		EOPX	55	1	FBID	80	0	CS
6	0	VOT3	31	0	EOPO	56		DO	81	1/0	MO0
7	1	AI3	32	-	AGND	57	Π.	GBD	82	-	GND
8	1	ACPI	33		Al2	58	1	GAT	83	1/0	MO1
9	T - 1	AGND	34	!	DOPI	59	-	GND	84	1/0	MO2
10	I	ACPX	35	1	DOPX	60	ı	GH	85	1/0	MO3
11	0	ACPO	36	0	DOPO	61	0	WCP	86	1/0	MO4
12.	1	SMPL	37	- 1	VCOI	62	0	ACP	87	1/0	MO5
13	1	CHIN	38	1	VCEN	63	0	TOUT	88	1/0	MO6
14	1	BOPX	39	- 1	MD1	64	0	AZ2	89	1/0	MO7
15	1	BOPO	40	. 1	MD2	65	0	AZ1	90	1	· AMD
16	1	SHC1	41	1	INT	66	0	WZ	91	1	VIN2
17	1	SHC2	42	1	YC	67	-1	CKN	92		REF1
18	1	SH2I	43		TMOD	68	0	GCK	93		REF2
19	0	ER1	44	1	TCK	69	0	ACK	94	1	VIN1
20	0	ER2	45	t	TDAT	70	0	XCK	95	l i	AOPI
21	-	AVDD	46	I	BTS	71	-	VDD	96	ı	AOPX
22	1	COPI	47	1	REST	72	0	CH	97	0	AOPO
23	1	COPX	48	-	VDD	73	0	SSH	98		AVDD
24	0	COPO	49	-	DDF	74	0	DCP	99	- 1	Al1
25	1	FOPX	50	0	SHO	75	1	ERR	100	1	CCPI

#### $(V_{DD} = +5 V)$ PIN I/O PIN I/O PIN No. I/O PIN I/O SIGNAL SIGNAL SIGNAL SIGNAL D7R D6M A10L 1/0 41 I/C 2 I 3 I 22 I/O 23 I/O WR D6R 42 1/0 D5M 62 AGI RDI D5R 43 1/0 D4M 63 A8L 4 0 5 I WAITL 24 1/0 D4R 44 I/C D3M 64 A7L CSI 25 1/0 D3R 45 1/0 65 A6L D2M 26 I/O 27 I/O 28 I/O 6 I 7 – D2R D1R V<sub>DD</sub> 46 -47 I/O 66 A5L N 8 -NC DOR 48 1/0 DOM 68 I A3L 9 I 10 I WRR 49 0 AOM 69 I A9R 30 | 1 50 O A1M 70 I A1L 11 I 12 -A8R GND 31 O 32 I WAITR 51 O 52 O A2M 71 GND CSR АЗМ 72 Vpp A7R A6R 53 -54 O GND A4M 13 I 33 GND 73 I 14 1 V<sub>DD</sub> CKR CKT WEM 74 1/0 D7L 55 0 56 0 57 0 58 0 35 36 37 15 | 1 A5R A4R 1 A5M 75 1/0 DAI 16 I A6M 76 1/0 D5L A3R A2R 0 A7M 77 1/0 D4L OEM A8M 78 I/C 18 I D3l 19 | AIR 39 0 CEM 59 0 дам 79 1/0 60 0 80 1/0

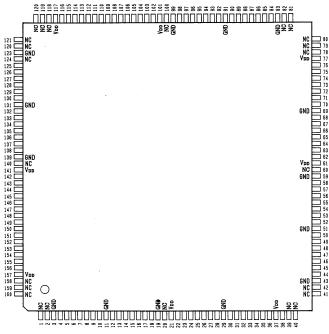
#### CXD8243AM (SONY) FLAT PACKAGE

C-MOS DIGITAL YC SEPARATOR/DECODER/CTDM CLOCK GENERATOR - TOP VIFW -





CXD8165Q (SONY) FLAT PACKAGE C-MOS REFERENCE SYNC GENERATOR - TOP VIEW -



PIN No. I/O

83 -

84 |

85 0

86 I

87 I 88 I

89 I/O 90 I/O

91 -92 l/0

93 I/O 94 I/O 95 I/O 96 I/O 97 I/O

98 I 99 -

100 -101 -

102 I 103 I

104 I 105 O 106 O 107 I

116 0

117 -

118

119

82

SIGNAL

NC GND TM2

OSC SD1

SCK STRB

PD0 PD1

GND PD2 PD3 PD4 PD5 PD6 PD7 PCK GND

NC VDD

SYCK ADOE

CNT

SWS

SCLD VISC UD0

UD1 UD2 UD3

UD4 UD5

UD6

UD7

VDD

NC

NC

·PIN No. I/O

126 O

127 O 128 O

129 O 130 O

136 I/O 137 I/O

138 O 139 -

140 – 141 –

142 I/O 143 I/O

144 |

146 I 147 O

148 0

149 I 150 O

151 0

152 0

153 0

154 0

155 O

156 0

157 -

158 -

159 -

VDD

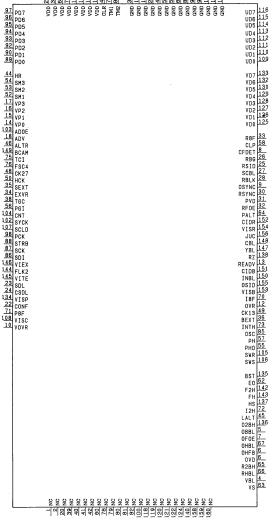
NC

NÇ

121

122 123 -124 -

GND GND NC NC NC SS SS SS SS SS SS SS SS SS SS SS SS SS	50 49 48 47 46 45 45 44	34 388 56 104 102 107 98 88 87 86 144 145 23 24 134 22 71
SIGNAL	]	
NC		
NC NC	1	
GND C		
NC		
VD0		
VD1		
VD2	1	
VD3	1	
VD4	]	
VD5	1	
GND	4	
VD6	4	
VD7	1	
VISP	1	
	1	
O2BH HS	1	
RZ	1	
GND	1	
NC	1	
VDD	1	
F2H	1	
FH	1	
FLK2	1	
VITE	1	
VIEX	1	
YBL		
CBL		
BCAM		
ENBL		
CID8		
CIDR		
VISB		
VISR		
OSID	1	
JUC		



PIN No. I/O

3 -4 I/O 5 I/O 6 I/O 7 I/O 8 O 9 O 10 I

18 | 1 | 19 | - | 20 | - | 21 | - | 22 | 1 | 23 | 1 | 24 | 1 | 25 | 0 | 26 | 0 | 27 | 0 | 28 | 0 | 29 | - | 31 | 0 | 32 | 0 |

33 O 34 I 35 I 36 O

37 -38 I

1 2 3

SIGNAL

NC

NC

GND

VBL

OBBL

OVD

CFDET OSYNC

GND OVR

READV VP0 VP1

VP2

VP3

ADV

NC VDD

CONF SDL CSDL RSID

RBG

SCBL

GND

RVD REOE

R8F EXVR

SEXT

BEXT

VDD TGC

NC

PIN No. I/O

41 -

43 -

44 |

46 1

47 I 48 I

49 O 50 I

51 -52 I 53 I

54 I 55 O

56 I 57 O

62 I/O 63 I/O

63 I/O 64 O 65 I/O 66 I/O 67 I/O 68 I/O 69 -70 O 71 I

72 1/0

73 O 74 I

75 I

76 I

77 – 78 –

79 80

45 I/O

42

SIGNAL

NC

NC

GND

HR

LALT

ALTR CLR CK27

CK13 HCK

GND SM1 SM2

SM3

PHO

PHI

CLP

NC NC

EQ VS PALT R2BH

RHBL

OHFB GND

18F

P8F

I2H

INTH

TM1

TCI

FSC4

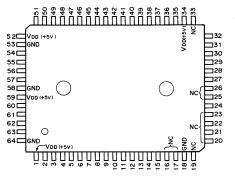
VDD

NC

NC

#### CXK48324Q (SONY)

C-MOS 2.4M (960x306x8) BITS 3 PORTS VIDEO FIELD MEMORY

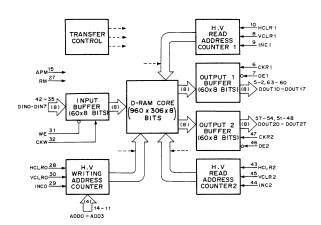


_			
42 DI	NO	D OUT 10	5_
4 1 DI	N 1	DOUTII	4
	N2	DOUT12	3_
39 <sub>DI</sub>	N3	DOUT13	2_
38 DI	N4	DOUT14	63
37 DI	N5	DOUT15	62
36 DI	N6	DOUT16	61
35 DI	IN7	DOUT17	60
31 w	Ε	OE 1	Z
	ckw	CKR1<	6
28 H	CLRO	HCLR1	10
30	CLRO	VCLR1	8
29 11	ico	INC1	9_
1			
14 AI	סממ	DOUT20	57
13 4	DD 1		56
13/40	DD 1	DOUT21	56 55
13 AI	DD 1 DD 2	DOUT 21	56 55 54
13 AI	DD 1	DOUT 21 DOUT 22 DOUT 23	56 55 54 51
13 AI	DD 1 DD 2	DOUT 21 DOUT 22 DOUT 23 DOUT 24	56 55 54 51 50
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26 DOUT 27	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26 DOUT 27 OE2	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26 DOUT 27 OE 2 CKR2	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26 DOUT 27 OE2 CKR2< HCLR2	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26 DOUT 27 OE 2 CKR2 < HCLR2 VCLR2	55 54 51
13 AI 12 AI 11 AI	DD 1 DD 2 DD 3	DOUT 21 DOUT 22 DOUT 23 DOUT 24 DOUT 25 DOUT 26 DOUT 27 OE2 CKR2< HCLR2	55 54 51

							(	V <sub>DD</sub> = + 5 V)
PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGANL	PIN No.	1/0	SIGNAL
1	- T	V <sub>DD</sub>	23	_	NC	45	1	VCLR2
2	0	DO13	24	-1	TE	46	- 1	OE2
3	0	DO12	25	-	NC	47	- 1	CKR2
4	0	DO11	26	-	NC	48	0	DO27
5	0	DO10	27	1	RM	49	0	DO26
6		CKR1	28	1.	HCLRO	50	0	DO25
7	1	OE1	29	1	INCO	51	0	DO24
8	-	VCLR1	30	- 1	VCLRO	52	-	ďaV
9	- 1	INC1	31	1	WE	53	-	GND
10	1	HCLR1	32	1	CKW	54	0	DO23
11	- 1	ADD3	33	-	NC	55	0	DO22
12	-	ADD2	34	-	V <sub>DD</sub>	56	0	DO21
13	1	ADD1	35	1	DIN7	57	0	DO20
14	1	ADD0	36	1	DIN6	58		GND
15	1	APM	37	-1	DIN5	59	-	Voo
16	i -	NC	38	1	DIN4	60	0	DO17
17	T -	NC	39	-1	DIN3	61	0	DO16
18	-	GND	40	1	DIN2	62	0	DO15
19	-	NC	41	1	DIN1	63	0	DO14
20	Ι-	NC	42	1	DIN0	64	-	GND
21	-	NC	43	1	HCLR2			
22	-	NC	44	1	INC2			

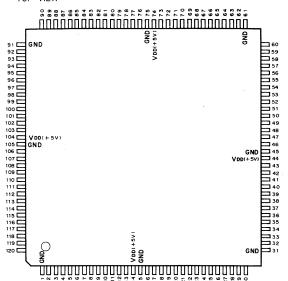
INPUT
ADDO = ADD3
APM
CKR1, CKR2
CKW
DINO = DIN7
HCLR0 = HCLR2
INCO = INC2
RM
TE
VCLR0 = VCLR2
WE ADDRESS INPUT
ADDRESS PRESET MODE ENABLE
PORT 1 OR 2 SHIFT SIGNAL INPUT
PORT 0 SHIFT SIGNAL INPUT
PORT 0 DATA INPUT
PORT 0 - 2 HORIZONTAL CLEAR
PORT 0 - 2 HORIZONTAL CLEAR
PORT 0 - 2 LINE INCREMENT
RECURSIVE MODE ENABLE
TEST MODE ENABLE
PORT 1 0 - 2 VERTICAL CLEAR
PORT 1 0 - 10 R 2 OUTPUT ENABLE
PORT 0 R 2 OUTPUT ENABLE

OUTPUT DO10 - DO17 DO20 - DO27 ; PORT 1 DATA OUTPUT ; PORT 2 DATA OUTPUT

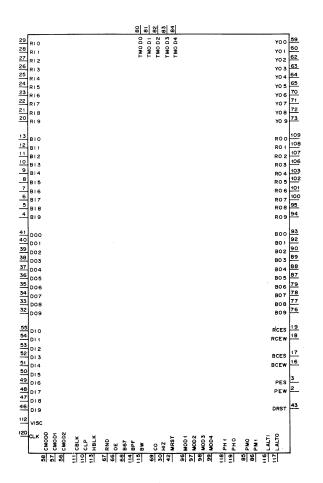


CXD8161AQ (SONY) FLAT PACKAGE

C-MOS DIGITAL Y/C SEPARATOR & CHROMA DECODER - TOP VIEW -



											(VDD = + 5V
PIN No.	1/0	SIGNAL									
1	-	GND	31	-	GND	61	-	GND	91	-	GND
2	0	PEW	32	1	D09	62	0	Y02	92	0	BO1
3	0	PES	33	_	D08	63	0	Y03	93	0	BO0
4		BI9	34	_	D07	64	0	Y04	94	0	RO9
5		BI8	35	-1	D06	65	0	Y05	95	0	RO8
6	1	BI7	36	_	D05	66	- 1	OE	96	1	HOD1
7	1	BI6	37	_	D04	67	- 1	RND	97	1	HOD2
8	1	BI5	38	T	DO3	68		B67	98	1	HOD3
9	1	BI4	39	- 1	DO2	69	- 1	CO	99	I	HOD4
10	1	BI3	40	_	DO1	70	0	Y06	100	0	RO7
11	1	BI2	41		DO0	71	0	Y07	101	0	RO6
12		BI1	42		MRST	72	0	Y08	102	0	RO5
13	- 1	BIO	43	0	DRST	73	0	Y09	103	0	RO4
14	-	VDD	44	-	VDD	74	-	VDD	104	-	VDD
15	-	GND	45	_	GND	75	-	GND	105	_	GND
16	0	BCEW	46	- 1	DI9	76	0	BO9	106	0	RO3
17	0	BCES	47	1	DI8	77	0	BO8	107	0	RO2
18	0	RCEW	48	- 1	DI7	78	0	BO7	108	0	RO1
19	0	RCES	49	- 1	DI6	79	0	B06	109	0	RO0
20	1	RI9	50	1	DI5	80	1	TMOD0	110	1	CLP
21	1	RI8	51	- 1	DI4	81	1	TMOD1	111	1	CBLK
22	1	RI7	52	- 1	DI3	82	- 1	TMOD2	112	1	YISC
23	1	RI6	53	-	DI2	83	1	TMOD3	113	I	HBLK
24		RI5	54	1	DI1	84	- 1	TMOD4	114	I	BPF
25	1	RI4	55	- 1	DI0	85	1	PM0	115	1	BW
26	1	RI3	56	- 1	CMOD2	86	1	PM1	116	1	LALT1
27		RI2	57	- 1	CMOD1	87	0	BO5	117	0	LALT0
28	I	RI1	58	-	CMOD0	88	0	BO4	118	11	PH1
29	1	RI0	59	0	Y00	89	0	BO3	119	1	PH0
30	1	HIZ	60	0	Y01	90	0	BO2	120	1	CLK



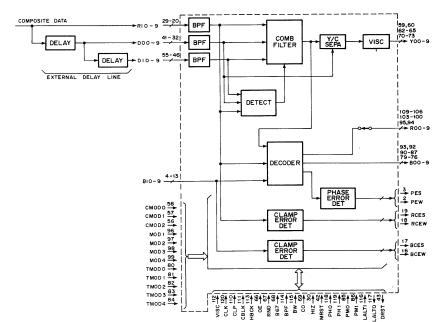
	INPUT				
	B67	; CORRELATION DETECT SENSITIVITY SEL	ECT		
	DIO DIO	(H; 6 BITS/L; 7 BITS) : B-Y DATA (COMPONENT MODE)			
	BIO — BI9 BPF	: L : BAND PASS FILTER SELECT			
	BW	: COMPOSITE SIGNAL THROUGH OUT CON	JTROI		
	CBLK	; CHROMA BLANKING PULSE	111101		
		CLOCK			
	CLP	: CLAMP PULSE			
* 1)	CMOD0 - D2	; Y/C CORRECATION MODE SELECT			
	CO	; CHROMA DECODE CONTROL			
	DIO - DI9	; 2H DELAY DATA (COMPOSITE MODE) for			
	DO0 - DO9	4H DELAY DATA (COMPOSITE MODE) for 1H DELAY DATA (COMPOSITE MODE) for		PAL-M	
	000 - 009	2H DELAY DATA (COMPOSITE MODE) for		PAI-M	
	HBLK	; H BLANKING PULSE		/AL 141	
	HIZ	; PULSE CONTROL			
	LALTI	; LINE ALTERNATE			
* 2)	MODE1 - MODE4	; MODE SELECT			
	MRST	RESET			
	OE PHO, PH1	; OUTPUT ENABLE : REFERENCE PHASE for CHROMA DECOD			
	PHU, PHI	VLSC GENERATION	E and		
	PM0, PM1	: PHASE SHIFT CONTROL			
	RIO - RI9	: COMPOSITE DATA (COMPOSITE MODE)			
		R-Y DATA (COMPONENT MODE)			
		CHROMA DATA (CHROMA MODE)			
	RND	; OUTPUT ROUND OFF SELECT : TEST MODE/BPF STAGE SELECT			
	VISC	: VIRTICAL INTERVAL SUB-CARRIER CONT	DO!		
	VISC	, VINTICAL INTERVAL SUB-CARRIER CONT	ROL		
	OUTPUT				
	BCES	; B-Y CLAMP ERROR SENSE			
	BCEW	; B-Y CLAMP ERROR WIDTH			
	BO0 - BO9	; B-Y DATA (B 09; MSB)			
	DRST LALTO	; EXTERNAL DELAY LINE RESET ; LINE ALTERNATE			
	PES	; PHASE ERROR SENSE			
		; PHASE ERROR WIDTH			
	RCES		* 2)		
	RCEW	; R-Y CLAMP ERROR WIDTH	MODE2	MODEL	Т
		; R-Y DATA (RO9; MSB)	0	0	H
	Y00 – Y09	; Y DATA (Y09; MSB)	0	1	H
			1	0	╁
			1	U	1_

* 1)			
CMOD2	CMOD1	CMOD0	MODE
0	0	0	0-1 FIX
0	0	1	1-2 FIX
0	1	0	0-1-2 FIX
0	1	1	BPF FIX
1	0	0	0-1/1-2/0-1 ADAPTIVE
1	0	1	0-1/1-2/1-2 ADAPTIVE
1	1	0	0-1/1-2/0-1-2 ADAPTIVE
. 1	1	1	0-1/1-2/0-1-2/BPF ADAPTIVE

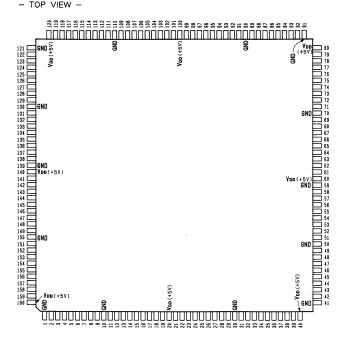
MODE PAL PAL-M SECAM NTSC MODE MODE4 MODE3 COMPONENT 0 COMPOSITE CTDM CHROMA 0 ; LOW LEVEL 1 ; HIGH LEVEL

0 ; LOW LEVEL 1 ; HIGH LEVEL

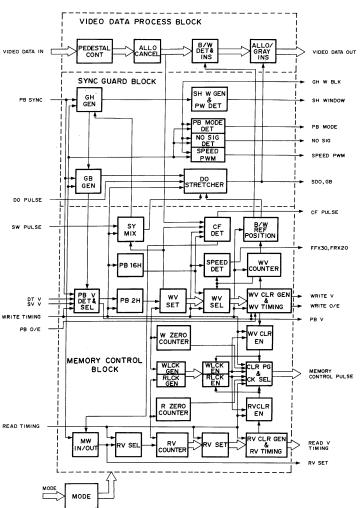
0-1 ; UPPER 2 LINE COMB FILTER 1-2 ; LOWER 2 LINE COMB FILTER 0-1-2 ; UPPER/LOWER 3 LINE COMB FILTER



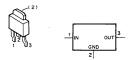
CXD8313Q (SONY) C-MOS TBC - TOP VIEW -



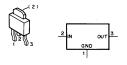
PIN No.	1/0	PIN NAME	PIN No.	1/0	PIN NAME	PIN No.	1/0	PIN NAME	PIN No.	0	PIN NAME
1	_	GND	41	-	GND	81	-	GND	121	_	GND
2	Ī	FWDXREV	42	1/0	RMAB	82	0	RBWLN	122	T	DIN9
3	- 1	X13	43	1/0	RVCLR	83	0	COMPBLK	123	1	DIN8
4	- 1	NOIPB	44	1/0	WMAB	84	0	VBLK2	124	1	DIN7
5	1	HEE	45	1/0	WVCLR	85	0	VBLK1	125	1	DIN6
6	1	HINPHASE	46	1/0	TDT0	86	0	ADVVBLK	126	1	DIN5
7	1	SHIFTINH	47	_	TST5	87	0	ADDTHRU	127	1	DIN4
8	0	VSCEXFP1	48	_	TST4	88	0	RDIZ	128	1	DIN3
9	0	VSCDTFP2	49	1	TST3	89	0	RCK	129	1	DIN2
10	-	GND	50	_	GND	90	-	GND	130	-	GND
11	1	OSCON	51	_	TST2	91	0	VCLR2	131	1	DIN1
12	1	MOD6	52	_	TST1	92	0	INC2	132	T	DINO
13	1	DT	53	_	TST0	93	0	HCLR2	133	1	WCK
14	1	DTX3	54	1	RLMOFF	94	0	MRCK2	134	1	WZ
15	1	PBOE	55	1	FLMOFF	95	0	VCLR1	135	1	ADVWZ
16	1	DTV	56	1 .	MOD11	96	0	INC1	136	1	WCLP
17	1	SVV	57	T	MOD10	97	0	HCLR1	137	1	VISCCMUT
18		SWP	58		MOD7	98	0	MRCK1	138	1	PRCK
19		FRX3020	59	-	GND	99	0	VCLR0	139	-	GND
20	-	VDD	60	-	VDD	100	_	VDD	140	-	VDD
21	0	BINS	61	1/0	BID	101	0	INCO	141	1	PRZ
22	0	WINS	62	1/0	BIDDIR	102	0	HCLR0	142	П	PBSYNC
23	0	BWBLK	63		MOD4	103	0	DOCLR	143	0	WBLK
24	0	WHITECNT	64	1	MOD3	104	0	MWCK	144	1/0	GH
25	1	D0	65	1	MOD2	105	0	WE	145	0	SHW
26	1/0	PB16H	66		MOD1	106	0	DOUT0	146	1/0	SD01
27	1/0	PB2H	67	1	JUC	107	0	DOUT1	147	1/0	GB
28	0	COUNTERV	68		SGBLK	108	0	DOUT2	148	0 -	WDIZ
29	1/0	PBV	69	1	REFOE	109	0	DOUT3	149	1/0	FBID
30	-	GND	70	- 1	GND	110	-	GND	150	- 1	GND
31	0	WRITEV	71	- 1	READV	111	0	DOUT4	151	1/0	FFB
32	0	WOE	72	1	RZ	112	0	DOUT5	152	1/0	FRB
33	1/0	WVISCID	73	1	R456FH	113	0	DOUT6	153	0	FF30COFF
34	0	RVISCID	74	I	R2BH	114	0	DOUT7	154	0	FR30HDL
35	1/0	RVSET	75	П	R2FH	115	-	-	155	- 1	THRU2
36	1/0	WENP	76	ı	HCK	116	0	DOUT8	156	1	THRU1
37	1/0	RENP	77	T	SDATA	117	0	DOUT9	157	1/0	NOSIG
38	1	LEVTST	78	1	SLD	118	0	SDO2WDO	158	0	PDSCONT
39	1	CLR	79	1	SCK	119	Ī	HOE	159	ō	SPDPWM
40	-	VDD	80	-	VDD	120	-	VDD	160	-	VDD



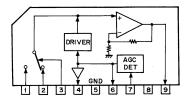
L78M09T-FA (SANYO) +9V 0.5A PQ05SZ51 (SHARP) +5V 1A POSITIVE VOLTAGE REGULATOR



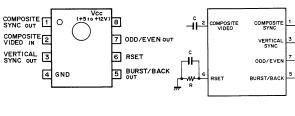
L79M05T-FA (SANYO) - 5 V L79M09T-FA (SANYO) - 9 V NEGATIVE VOLTAGE REGULATOR (500 mA)

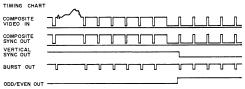


LA7205 (SANYO) AGC AMP, INPUT SELECT, AGC DET, COMPARATOR - SIDE VIEW -

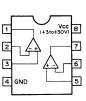


LM1881M (NS) FLAT PACKAGE VIDEO SYNC SEPARATOR - TOP VIEW -





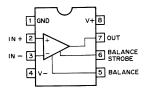
LM358P (TI) UPC358C (NEC) UPC358G2 (NEC) FLAT PACKAGE DUAL OPERATIONAL AMPLIFIERS — TOP VIEW —

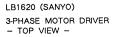


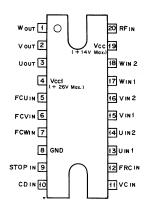
LM2903P (TI) LM2903PS (TI) FLAT PACKAGE NJM2903D (JRC) DUAL VOLTAGE COMPARATORS - TOP VIEW -

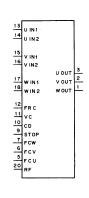


LM311PS (TI) FLAT PACKAGE VOLTAGE COMPARATOR WITH STROBE - TOP VIEW -







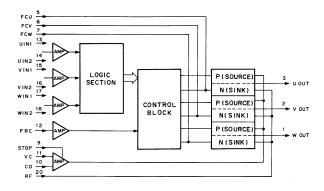


	SOURCE / SINK		INPUT	•	FRC
	SOURCE / SINK	٦	٧	W.	FAC
Γ.	W PHASE→V PHASE	Γ,	٠,	0	0
'	V PHASE→W PHASE	' '	'	U	1
2	W PHASE→U PHASE	,	0	0	0
-	U PHASE→W PHASE	l '	U	0	1
3	V PHASE→W PHASE	0	0	1	0
3	W PHASE→V PHASE				1
4	U PHASE→V PHASE	0	1	0	0
4	V PHASE→U PHASE	l۳	'	٧	1
5	V PHASE→U PHASE	٦.	0	٠,	0
٦	U PHASE→V PHASE	'	١ ٠	' '	1
6	U PHASE→W PHASE	0		٠.	0
I٩	W PHASE→U PHASE	١٠	1	'	1

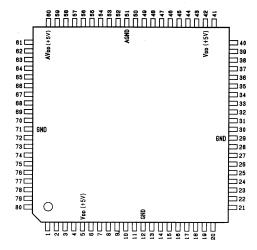
0 ; LOW LEVEL 1 ; HIGH LEVEL

INPUT
CD : CURRENT DETECTION
FCU : PHASE COMPENSATION
FCV : PHASE COMPENSATION
FCW : PHASE COMPENSATION
FRC : DIRECTION CONTROL
RF : CURRENT DETECTION
STOP : OVERCURRENT PROTECTION
UIN1, UIN2 : U PHASE HALL ELEMENT
VC : SPEED/PHASE CONTROL
VIN1, VIN2 : V PHASE HALL ELEMENT
WIN1, WIN2 : W PHASE HALL ELEMENT

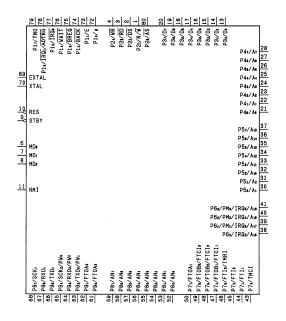
OUTPUT
U OUT ; U PHASE OUTPUT
V OUT ; V PHASE OUTPUT
W OUT ; W PHASE OUTPUT

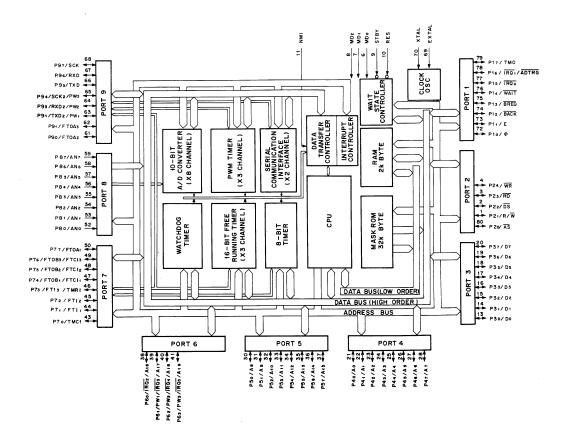


HD6435348RA00F (HITACHI) C-MOS 8-BIT 1-CHIP MICROCOMPUTER - TOP VIEW -

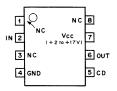


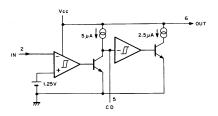
					$AV_{DD}$ , $V_{DD} = (+5V)$
PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL
1	1/0	P21/R/W	41	1/0	P63/PM3/IRO <sub>5</sub> /A19
2	1/0	P22/DS	42	-	V <sub>DD</sub>
3		P23/RD		1/0	P70/TMCI
4	1/0	P24/WR	44	1/0	P71/FTI1
5	-	V <sub>DD</sub>		1/0	P72/FTI2
6	1	MD0	46	1/0	P73/FTI3/TMRI
7	- 1	MD1	47		P74/FTOB1/FTCI1
8	-1	MD2	48	1/0	
9		STBY	49	1/0	P76/FTOB3/FTCI3
10	1	RES	50	1/0	P77/FTOA1
11	1	NMI	51	-	AGND
12	- 1	GND	52		P80/AN0
13	1/0	P30/D0	53	1	P81/AN1
14	1/0	P31/D1	54	1	P82/AN2
15	1/0	P32/D2	55	i	P83/AN3
16	1/0	P33/D3	56		P84/AN4
17	1/0	P34/D4	57		P85/AN5
18	1/0	P35/D5	58		P86/AN6
19	1/0	P36/D6	59		P87/AN7
20	1/0	P37/D7	60	- 1	AVDD
21	1/0	P40/A0	61	1/0	P90/FTOA2
22	1/0	P41/A1	62	1/0	P91/FTOA3
23	1/0	P42/A2	63	1/0	P92/TXD2/PW1
24	1/0	P43/A3	64	1/0	
25	1/0	P44/A4	65	1/0	P94/SCK2/PW3
26	1/0	P45/A5	66	1/0	P95/TXD1
27	1/0	P46/A6	67	1/0	P96/RXD1
28	1/0	P47/A7	68	1/0	P97/SCK1
29	-	GND	69		EXTAL
30	1/0	P50/A1	70		XTAL
31	1/0	P51/A2	71	-	GND
32	1/0	P52/A10	72	1/0	P10/¢
33	1/0	P53/A11	73	1/0	P11/E
34	1/0	P54/A12	74	1/0	P12/BACK
35	1/0	P55/A13	75	1/0	
36	1/0	P56/A14	76	1/0	P14/WAIT
37	1/0	P57/A15	77	1/0	P15/IRQ0
38	1/0	P60/IRQ2/A16	78	1/0	P16/IRQ1/ADTRG
39	1/0	P61/PM1/IRQ2/A17	79	1/0	P17/TMO
40	1/0	P62/PM2/IRQ4/A18	80	1/0	P20/AS



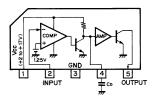


M51957BFP (MITSUBISHI) FLAT PACKAGE VOLTAGE DETECTOR - TOP VIEW -

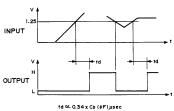




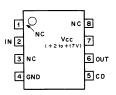
M51957BL (MITSUBISHI) VOLTAGE DETECT DELAY - PRINTED SIDE VIEW -

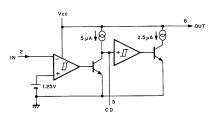


TIMING CHART



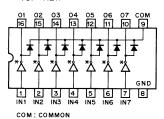
M51958A (MITSUBISHI) FLAT PACKAGE VOLTAGE DETECT DELAY - TOP VIEW -





M54523P (MITSUBISHI)

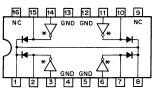
BIPOLAR TRANSISTOR ARRAY WITH OPEN COLLECTOR — TOP VIEW —  $\,$ 

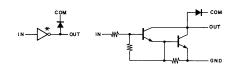


M54532P (MITSUBISHI)

DARLINGTON TRANSISTOR ARRAY WITH CLAMP DIODE

- TOP VIEW -



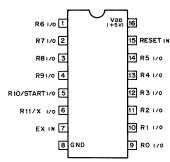


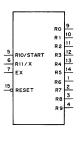
MB4002PF (FUJITSU) FLAT PACKAGE HIGH SPEED VOLTAGE COMPARATOR - TOP VIEW -



MB88201 (FUJITSU)

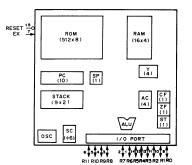
C-MOS 4-BIT MICROCOMPUTER - TOP VIEW -



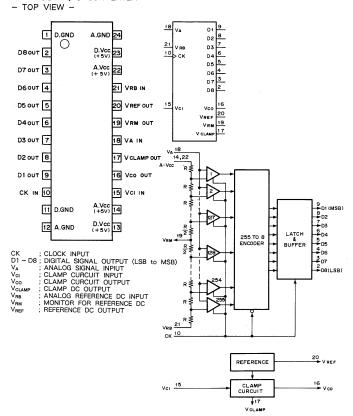


; EXTERNAL X'TAL IN RO-R11 , I/O PORT(R) IN/OUT

RESET ; RESET IN START ; STANDBY RELEASE IN R11/X ; EXT CLOCK IN/INT CLOCK OUT

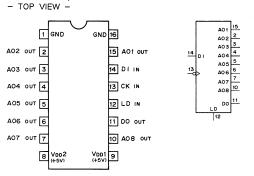


MB40568 (FUJITSU) FLAT PACKAGE MB40568PF (FUJITSU) FLAT PACKAGE 8BIT VIDEO A/D CONVERTER

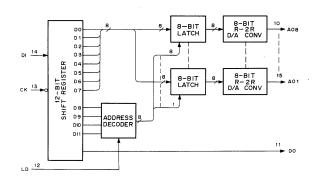


#### MB88342PF (FUJITSU) FLAT PACKAGE

C-MOS 8-BIT D/A CONVERTER



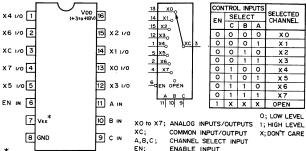
A01 - A08 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT
LD : DATA LOAD CONTROL INPUT (H:LOAD)



MC14051BF (MOTOROLA) FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER - TOP VIEW -

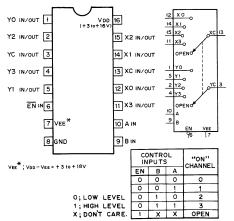




VEE ; VDD - VEE = +3 to +18V

MC14052BF (MOTOROLA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS - TOP VIEW -

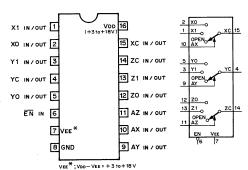


MC14053BCP (MOTOROLA)

MC14053BF (MOTOROLA) FLAT PACKAGE

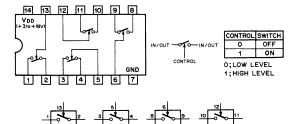
UPD4053BC (NEC)

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS - TOP VIEW



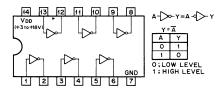
		T. INPUTS	ON
	EN	A (X,Y,Z,)	CHANNEL
O: LOW LEVEL	0	0	0
1 . HIGH LEVEL	0	1	1
X; DON'T CARE.	1	Х	OPEN

MC14066BF (MOTOROLA) FLAT PACKAGE C-MOS QUAD BILATERAL ANALOG SWITCH - TOP VIEW -



MC14069UBF (MOTOROLA)

C-MOS INVERTER TOP VIEW



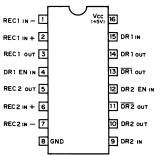
MC14576BF (MOTOROLA) FLAT PACKAGE MC14576CFEL (MOTOROLA) FLAT PACKAGE C-MOS DUAL VIDEO AMPLIFIERS - TOP VIEW -



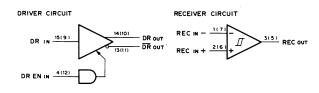
XVDD + | Vss | = + 5V to +12V

- TOP VIEW -

MC34051M (MOTOROLA) FLAT PACKAGE RS-422 DRIVER/RECEIVER



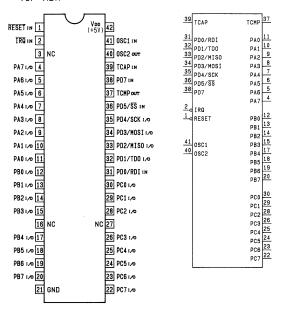
DR EN	MODE
0	DISABLE
1	ENABLE
O; LOW	LEVEL
DR; DR	IVER
	DRIVER ENABLE
REC; RE	CEIVER



MC68HC05C8 (MOTOROLA)

C-MOS 8-BIT MICROCONTROLLER UNIT

- TOP VIEW -



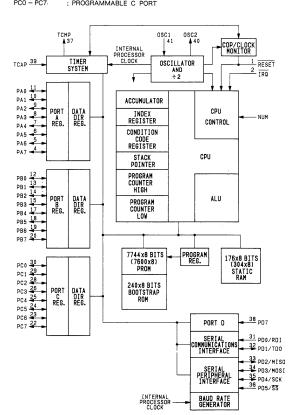
; RESET ; SUB SELECT ; CAPTURE FEATURE FOR THE ON-CHIP PROGRAMMABLE TIMER SS TCAP

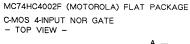
OUTPUT OSC2 SCK TCMP TDO

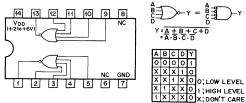
; OSCILLATOR FREQUENCY : SERIAL CLOCK : COMPARE FEATURE OF THE ON-CHIP TIMER : TRANSMITION DATA

INPUT/OUTPUT MISO MOSI PAO – PA7 PBO – PB7 PCO – PC7.

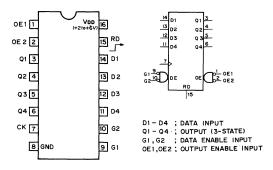
: MASTER INPUT, SUB OUTPUT : MASTER OUTPUT, SUB INPUT : PROGRAMMABLE A PORT : PROGRAMMABLE B PORT : PROGRAMMABLE C PORT







#### MC74HC173F (MOTOROLA) FLAT PACKAGE C-MOS 4-BIT D-TYPE REGISTERS WITH 3-STATE OUTPUT - TOP VIEW -



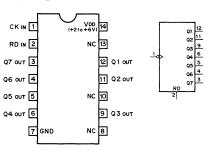
		IN	IPUT				OUTPUT		
RD	ск	DATA	IN	D	OUTF	UT EN			
	CK	G1	G2	٥	OE1	OE2	•		
1	X	X	Х	×	0	0	0		
0	0	X	X	Х	0	0	QO		
0	1	1	Х	Х	0	0	QO		
0	5	X	1	X	0	0	QO		
0	7	0	0	0	0	0	0	0 :	LOW LEV
0	7	0	0	1	0	0	1	1 :	HIGH LE
X	X	X	Х	X	1	×	HI-Z	x :	DON'T CA
Х	X	X	X	Х	X	1	HI - Z	HI-Z:	HIGH IM

VFI EVEL ARE

HI-Z; HIGH IMPEDANCE QO; LEVEL OF Q BEFORE THE INDICATED INPUT CONDITIONS WERE STABLISHED

#### MC74HC4024N (MOTOROLA)

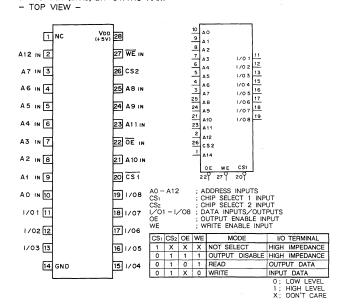
C-MOS 7-BIT BINARY COUNTERS - TOP VIEW -

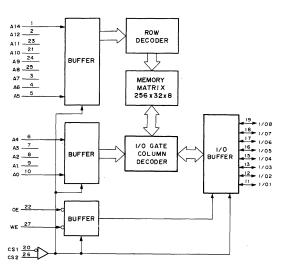


COUNT	INF	UTS	Г		OL	JTF	TU <sup>c</sup>	s	_	
COON	CK	RD	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q1 Q2 Q3 Q4 Q5 Q6 Q7
0	X	1	o	0	0	0	0	0	0	12 11 9 6 5 4 3
1	£	0	0	0	0	0	0	0	1	A
2	£	0	0	0	0	0	0	1	0	
3	Ł	0	0	0	0	0	0	1	1	
	!	!	!	Π	!	Γ	-		-	ROTH P P P P P P P P P P P P P P P P P P P
		<u> </u>	i	<u>i_</u>	i	1	i	i_	i .	RD <sup>2</sup>
125	£	0	1	1	1	1	1	0	1	***************************************
126	Ł	0	1	1	-1	1	1	1	0	
127	Ł	0	1	1	1	1	1	1	1	
-	0	0	NO CHANCE			,-				
_	1	0	l	NO CHANGE			٦E			

O; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE

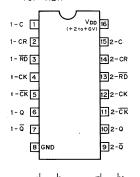
MS6264CLL-10FC (MOSEL) FLAT PACKAGE C-MOS 64K (8kx8)-BIT STATIC RAM

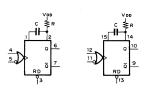




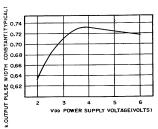
MC74HC4538AN (MOTOROLA)

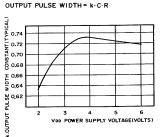
C - MOS DUAL RETRIGGERABLE  $\diagup$  NON - RETRIGGERABLE MONOSTABLE MULTIVIBRATOR - TOP VIEW -



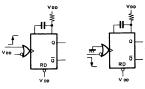


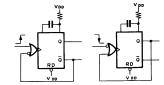
OUTPUT PULSE WIDTH = k.C.R





RETRIGGERABLE M.M.V





NON-RETRIGGERABLE M.M.V



LOW NOISE OPERATIONAL AMPLIFIER - TOP VIEW -



NJM360M (JRC) FLAT PACKAGE

HIGH SPEED VOLTAGE COMPARATOR (TTL OUTPUT)
- TOP VIEW -





NJM4556M-A (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER (WIDE BAND, DECOMPENSATED) - TOP VIEW -



NJM4558D-D (JRC) NJM4558D-FA (JRC) NJM4558M (JRC) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER



NJM78L09A (JRC) + 9V (100mA) TA78L09S (TOSHIBA) + 9V (100mA)

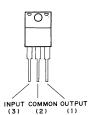
POSITIVE VOLTAGE REGULATOR





NJM78M09FA (JRC) + 9V

POSITIVE VOLTAGE REGULATOR (500mA) - FRONT VIEW -





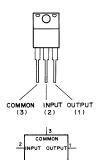
NJM79L05A (JRC) - 5V NJM79L09A (JRC) - 9V

NEGATIVE VOLTAGE REGULATOR (100mA)

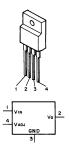




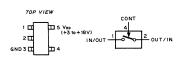
NJM79M09FA (JRC) - 9V NEGATIVE VOLTAGE REGULATOR (500mA) - FRONT VIEW -



PQ30RV1 (SHARP) VARIABLE 1A POSITIVE VOLTAGE REGULATOR

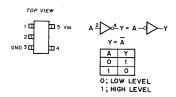


SC14S66FEL (MOTOROLA) CHIP PACKAGE C-MOS BILATERAL ANALOG SWITCH



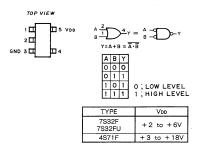
i	CONT	SWITCH	
	0	OFF	0 · LOW LEVEL
	1	ON	0 ; LOW LEVEL 1 ; HIGH LEVEL

SC7S04F (MOTOROLA) CHIP PACKAGE TC7S04F (TOSHIBA) CHIP PACKAGE C-MOS INVERTER

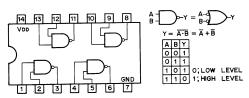


TYPE	VDD		
7S04F 7SU04F	+2 to +6V		
4S69F 4SU69F	+3 to +18V		

SC7S32F (MOTOROLA) CHIP PACKAGE TC7S32F (TOSHIBA) CHIP PACKAGE C-MOS 2-INPUT OR GATE

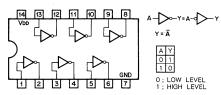


SN74HC00AN (TI) SN74HC00ANS (TI) FLAT PACKAGE C-MOS QUAD 2-INPUT NAND GATES - TOP VIEW -



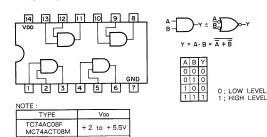
TYPE	Voo
TC74AC00 TYPE TC74VHC00	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC04ANS (TI) FLAT PACKAGE SN74HCU04AN (TI) SN74HCU04ANS (TI) FLAT PACKAGE C-MOS HEX INVERTERS — TOP VIEW —



NOTE :	
TYPE	VDD
74HCT04 TYPE	+ 5V
TC74AC04 TYPE TC74VHC04 TYPE	+ 2 to + 5.5V
74ACT04 TYPE	+ 4.5 to + 5.5V
OTHER TYPES	+ 2 to + 6V

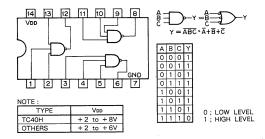
SN74HC08AN (TI) SN74HC08ANS (TI) FLAT PACKAGE C-MOS QUAD 2-INPUT AND GATES - TOP VIEW -



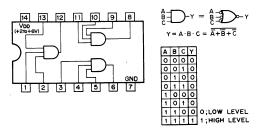
+ 2 to + 8V

TC40H

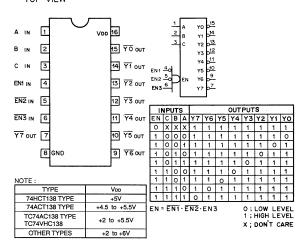
#### SN74HC10ANS (TI) FLAT PACKAGE C-MOS 3-INPUT NAND GATE - TOP VIEW -



SN74HC11ANS (TI) FLAT PACKAGE C-MOS 3-INPUT POSITIVE-AND GATE

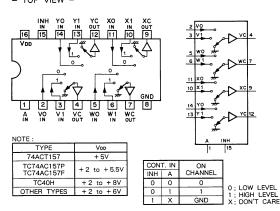


#### SN74HC138ANS (TI) FLAT PACKAGE C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER - TOP VIEW



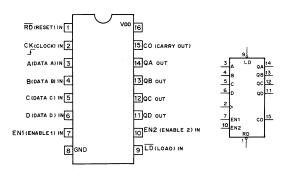
#### SN74HC157ANS (TI) FLAT PACKAGE

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER - TOP VIEW



#### SN74HC161AN (TI)

C-MOS SYNCHRONOUS PRESETTABLE 4-BIT BINARY COUNTER - TOP VIEW -



CON	ITROL	. INP	UTS	MODE
R⊳	LD	EN1	EN2	MODE
0	×	х	×	RESET (ASYNCHRONOUS)
1	0	х	х	PRESET (SYNCHRONOUS)
1	1	0	Х	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

U	^	^	^	(ASYNCHRONOUS)					
1	0	х	х	PRESET (SYNCHRONOUS)					
1	1	0	Х	NO COUNT					
1	1	X	0	NO COUNT					
1 1 1 1 COUNT									
0 : LOW LEVEL 1 : HIGH LEVEL X : DON'T CARE									



10 1 0 1 1 1 1 0 0 11 14

OUTPUTS

QD QC QB QA

0 0 0 0 0 0 0 1

COUNT SEQUENCE

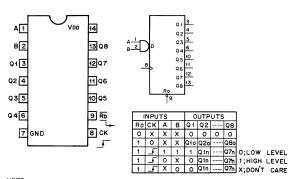
COUNT

CO IS HIGH WHEN ENZ INPUT IS HIGH AND COUNT IS "15".

NOTE :	
TYPE	VDD
74ACT	+ 5V
TC40H	+ 2 to + 8V
OTHERS	+ 2 to + 6V

#### SN74HC164ANS (TI) FLAT PACKAGE

C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER - TOP VIEW -



	C/4ACTO4 TTF		+2 10 +3.	J V					
_	OTHER TYPES		+2 to +6	v					
		QI	Q2	2 03	s Q	4 0	)5 G	)6 Q	7 Q8
	8 🛌	3	4	5	- 6	10	11	12	13
CK A B	200		P <sub>R</sub>	Re	D O	D O	D O Ro	D 0	Ro

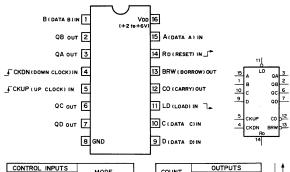
VDD

TYPE

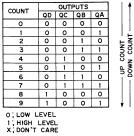
SN74HC192NS (TI) FLAT PACKAGE

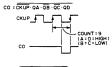
C-MOS SYNCHRNOUS UP/DOWN DECADE COUNTER

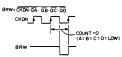
- TOP VIEW -



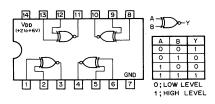
TROL		MODE					
LD	CKUP	CKDN	MODE				
X	X	X	RESET TO ZERO				
0	X	X	PRESET				
1	-	1	UP COUNT				
1	1	-	DOWN COUNT				
1	1	1	NO COUNT				
	LD X	LD CKUP	x x x				



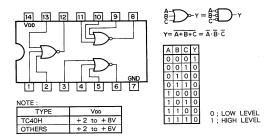




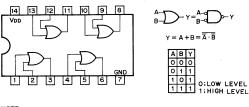
SN74HC266ANS (TI) FLAT PACKAGE C-MOS 2-INPUT EXCLUSIVE-NOR GATE - TOP VIEW -



SN74HC27ANS (TI) FLAT PACKAGE C-MOS 3-LINE POSITIVE-NOR GATE

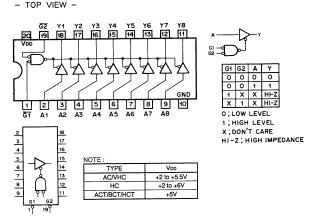


SN74HC32ANS (TI) FLAT PACKAGE C-MOS QUAD 2-INPUT OR GATES - TOP VIEW -

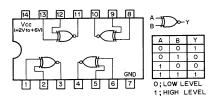


NOTE :	
TYPE	VDD
TC74AC32 TYPE TC74VHC32	+2 to +5.5V
OTHER TYPES	+2 to +6V

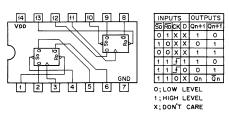
SN74HC541ANS (TI) FLAT PACKAGE
C-MOS BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS

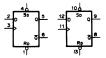


SN74HC7266NS (TI) FLAT PACKAGE C-MOS 2-INPUT EXCLUSIVE-NOR GATES - TOP VIEW -



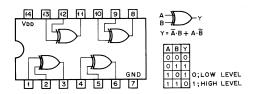
SN74HC74AN (TI) SN74HC74ANS (TI) FLAT PACKAGE C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET





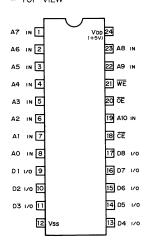
TYPE	Voo
TC74HCT74AF	+5V
TC74AC74 TYPE	+2 to +5.5V
74ACT74 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC86ANS (TI) FLAT PACKAGE C-MOS QUAD EXCLUSIVE OR GATES - TOP VIEW -



NOTE:	
TYPE	VDD
TC74AC86 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

SRM2016M10 (SEIKO EPSON) FLAT PACKAGE C-MOS 16384-BIT (2048x8) STATIC RAM - TOP VIEW -





AO-A10; ADDRESS INPUTS
CE; CHIP ENABLE
D1-D8; DATA INPUTS/OUTPUTS
OE; OUTPUT ENABLE
WE; WRITE ENABLE

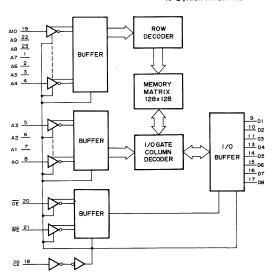
IN	IPU	гs	FUNCTION
Œ	Œ	WE	FUNCTION
1	х	x	NO SELECTION(HI-Z)
0	1	1	OUTPUT DISABLE(HI-Z)
0	0	1	READ
0	х	0	WRITE

O ; LOW LEVEL

1 ; HIGH LEVEL

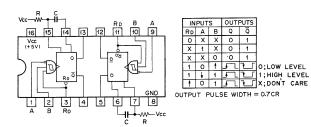
X ; DON'T CARE

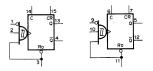
HI-Z ; HIGH IMPEDANCE



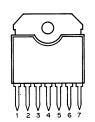
SN74LS221NS (TI) FLAT PACKAGE

TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT – TOP VIEW –



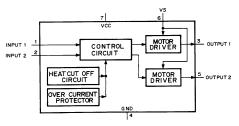


TA7267P (TOSHIBA)
DC MOTOR DRIVER
- PRINTED SIDE VIEW -

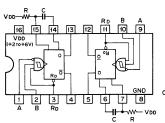


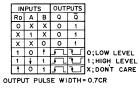
NΡ	JTS	OUTI	Š	MODE				
1	2	1	2	WIODE				
1	1	0	0	BRAKE				
0	1	0	1	ROTATION/ REV. ROTATION				
1	0	1	0	REV. ROTATION / ROTATION				
0	0	HI-Z		STOP				

O ; LOW LEVEL 1 ; HIGH LEVEL HI-Z; HIGH IMPEDANCE

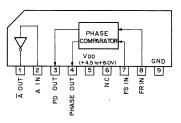


TC74HC221AF (TOSHIBA) FLAT PACKAGE
C:MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
- TOP VIEW -

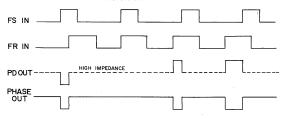




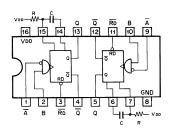
## TC5081AP (TOSHIBA) C-MOS PHASE COMPARATOR - SIDE VIEW -



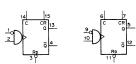
#### PHASE COMPARATOR TIMING CHART



# TC74HC123AF (TOSHIBA) FLAT PACKAGE C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS - TOP VIEW -

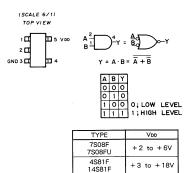


	N DI	PUT OUTPUT									
	NPU		001	FUI							
RD	Α	В	œ	٥							
0	Х	X	0	1							
1	1	×	0	1							
1	х	0	0	1							
1	0	_5	<b>5</b>	₹	0; LOW LEVEL						
1	T.	1	£	·	1; HIGH LEVEL						
5	0	1	F	T_	X; DON'T CARE						
OUT	OUTPUT PULSE WIDTH = 0.46CR										

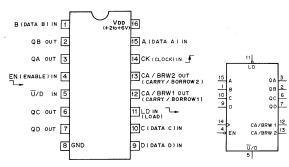


NOTE :				
TYPE	Voo			
TC74HCT123AF	+5V			
OTHER TYPES	+2 to +6V			

#### TC7S08F (TOSHIBA) CHIP PACKAGE C-MOS 2-INPUT AND GATE



## TC74HC191AF (TOSHIBA) FLAT PACKAGE C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY UP/DOWN COUNTER - TOP VIEW -



	MODE	SELEC	TION			COUNT	SEQUE	ENCE			
	CON	TROL	NPUTS	MODE		COUNT		OUTF	PUTS		l
	LD	EN	Ū/D	WIODE		COUNT	QD	QC	QB	QA	
	0	х	x	PRESET		0	0	0	0	0	†
				(ASYNCHRONOUS)		1 2	0	0	0	1	
	1	1	X	NO COUNT			0	0	1	0	111
	11	0	0	UP COUNT		3	0	0	1	1	
	1	0	11	DOWN COUNT		4	0	1	0	0	
	0 ; LOV	VIEV	FI			5	0	1	0	1	] ] [
	1 HIG					6	0	1	1	0	23
	X; DOI	T CA	RE.			7	0	1	1_	1	-UP COUNT- DOWN COUNT
						8	1	0	0	0	°₹
	CA / BR	w out	PUTS			9	. 1	0	0	1	] 5 €
Ū,	′D1					10	1	0	1	0	1
	17	<u></u>				11	1	0	1	1	
	l Q	в⊸∣	力			12	1	1	0	0	
	8	5 I	<b>7</b>	CA/BRW1		13	1	1	0	1	
	-0.	<u> </u>	$\langle \mathcal{L} \rangle$			14	1	1	1	0	
	CK O		ا بر			15	-	1	1	11	+
	ck o	Ď ──	{>L	CA / BRW2							
	EN		_\$√								

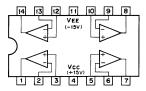
CA/BRW1 OUTPUT IS HIGH WHEN COUNT IS "15" AT UP-COUNT OR WHEN COUNT IS "0" AT DOWN COUNT.

CA/BRW2 OUTPUT IS LOW WHEN BOTH THE CLOCK AND EN INPUTS ARE LOW AND CA/BRW1 OUTPUT IS HIGH.

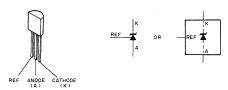
TL062CPS (TI) FLAT PACKAGE TL082CPS (TI) FLAT PACKAGE OPERATIONAL AMPLIFIER (JFET INPUT) — TOP VIEW —



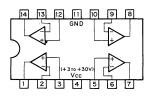
TL084CNS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
- TOP VIEW -



TL431CLP (TI)
ADJUSTABLE PRECISION SHUNT REGULATOR



UPC324G2 (NEC) FLAT PACKAGE QUAD OPERATIOAL AMPLIFIERS - TOP VIEW -



UPC4557C (NEC)

OPERATIONAL AMPLIFIER (WIDE BAND, LOW NOISE)

- TOP VIEW -



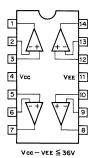
UPC4570C (NEC) UPC4570G2 (NEC) FLAT PACKAGE OPERATIONAL AMPLIFIER - TOP VIEW -



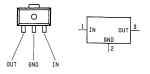
UPC4574G2 (NEC)

QUAD OPERATIONAL AMPLIFIER

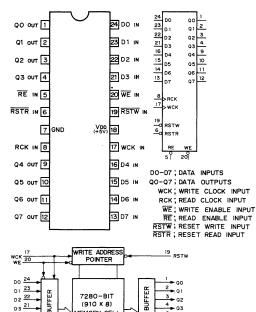
- TOP VIEW -

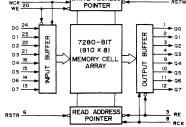


UPC78L05T (NEC) + 5V POSITIVE VOLTAGE REGULATOR (100mA)

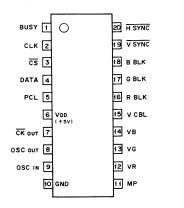


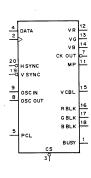
UPD42101C-3 (NEC) UPD42101G-3 (NEC) FLAT PACKAGE C-MOS 7K (910x8)-BIT FIFO MEMORY - TOP VIEW -



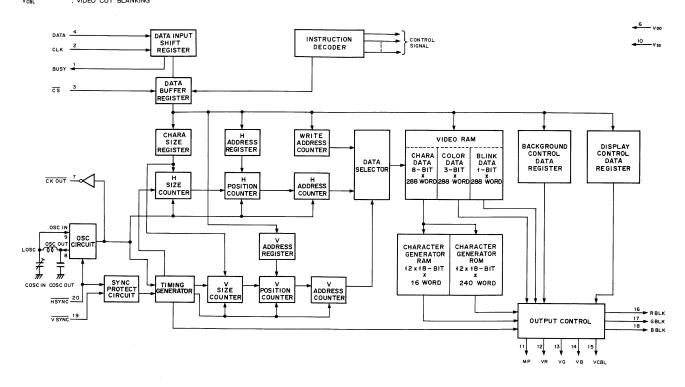


#### UPD6453GT (NEC) FLAT PACKAGE C-MOS ON-SCREEN CHARACTER DISPLAY - TOP VIEW -

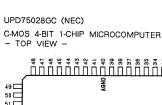


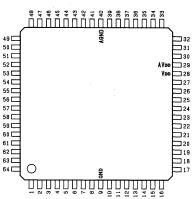


INPUT CLK CS DATA H SYNC OSC IN PCL V SYNC : CLOCK
: CHIP SELECT
; SERIAL DATA
: HORIZONTAL SYNC
OSCILLATOR IN
: POWER ON CLEAR
; VERTICAL SYNC

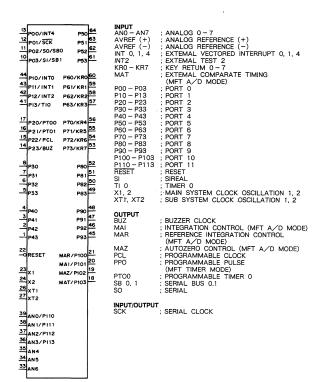


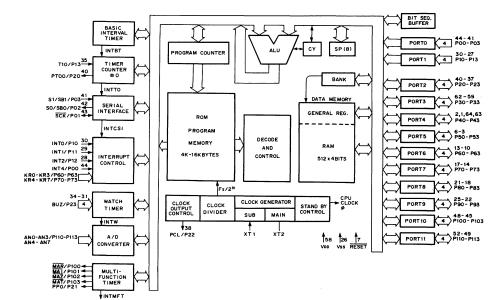




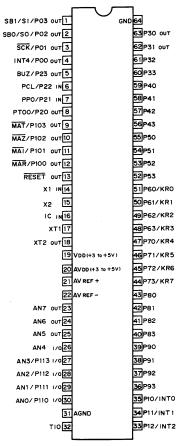


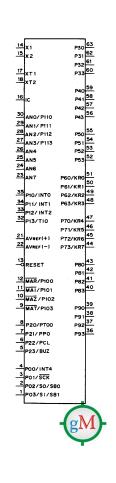
PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL	PIN NO.	1/0	SYMBOL
1	1/0	P43			PT00/P20	33	1	AN6	49	1/0	P83
2	1/0	P42	18	1/0	MAT / P103	34	1	AN5	50	1/0	P82
3	1/0	P41	19	1/0	MAZ/P102	35	. 1	AN4	51	0	P81
4	1/0	P40	20	1/0	MAI/P101	36	I	AN3/P113	52	1/0	P80
5	1/0	P33	21	1/0	MAR/P100	37	-1	AN2/P112	53	1/0	P73/KR7
6	1/0	P32	22	-1	RESET	38	-1	AN1/P111	54	0	P72/KR6
7	1/0	P31	23	1	X1	39	1	AN0/P110	55	1/0	P71/KR5
8	1/0	P30	24	_	X2	40	ı	A GND	56	1/0	P70/KR4
9	-	GND	25	-	IC	41	1	TI0/P13	57	1/0	P63/KR3
10	1/0	SB1/SI/P03	26	1	XT1	42	1	P12/INT2	58	1/0	P62/KR2
11	1/0	SB0/SO	27	1/0	XT2	43	1	P11/INT1	59	0	P61/KR1
12	1/0	SCK/P01	28	-	VDD	44	1	P10/INT0	60	1/0	P60/KR0
13	1	INT4/P00	29	-	AVDD	45	1/0	P93	61	1/0	P53
14	1/0	BUZ/P23	30	-	AV <sub>REF</sub> +	46	1/0	P92	62	1/0	P52
15	1/0	PCL/P22	31	-	AVREF -	47	1/0	P91	63	1/0	P51
16	1/0	PPO/P21	32		AN7	48	1/0	P90	64	1/0	P50

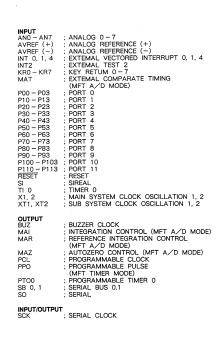


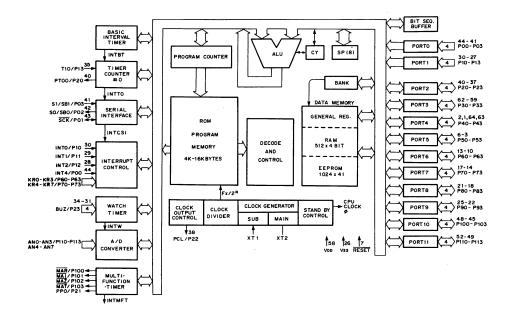


UPD75048CW (NEC)
C-MOS 4-BIT 1-CHIP MICROCOMPUTER
- TOP VIEW -

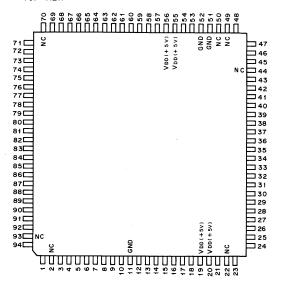






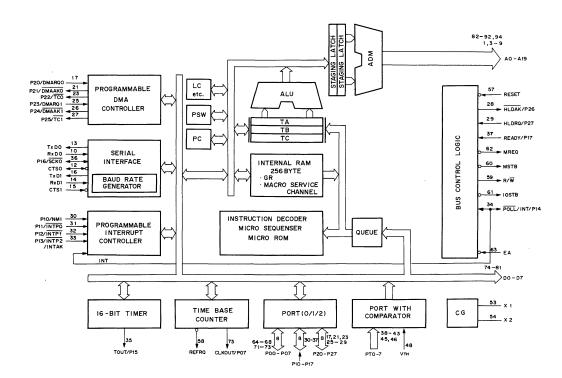


UPD70320GJ-8-5BG (NEC)
C-MOS SINGLE CHIP 16/8-BIT MICROCOMPUTER
- TOP VIEW -



PIN No.	1/0	SYMBOL	PIN No.	1/0	SYMBOL	PIN No.	1/0	SYMBOL
1.1	0	A12	33	1/0	P13/INTP2/INTAK	65	1/0	P01
2_	-	NC	34	1/0	P14/INT/POLL	66	1/0	P02
3	0	A13	35	1/0	P15/TOUT	67	1/0	P03
4	0	A14	36	1/0	P16/SCK0	68	1/0	P04
5	0	A15	37	1/0	P17/READY	69	_	INT.CONNECT
6	0	A16	38		PT0	70	_	NC
7	0	A17	39	- 1	PT1	71	1/0	P05
8	0	A18	40	1	PT2	72	1/0	P06
9	0	A19	41		PT3	73	1/0	P07/CLKOUT
10		RxD0	42	- 1	PT4	74	1/0	D0
11	- 1	GND	43	1	PT5	75	1/0	D1
12	1/0	CTS0	44	-	NC	76	1/0	D2
13	0	TxD0	45	<u> </u>	PT6	77	1/0	D3
14	1	RxD1	46	T.,	PT7	78	1/0	D4
15	- 1	CTS1	47	-	INT.CONNECT	79	1/0	D5
16	0	TxD1	48	_	VTH	80	1/0	D6
17	1/0	P20/DMARQ0	49	-	NC	81	1/0	D7
18	-	INT.CONNECT	50	-	NC	82	0	A0
19	-	VDD	51	<u> </u>	GND	83	0	A1
20	-	VDD	52		GND	84	0	A2
21	1/0	P21/DMAAK0	53		X1	85	0	A3
22	-	NC	54	-	X2	86	0	A4
23	1/0	P22/TC0	55	-	VDD	87	0	A5
24	-	INT.CONNECT	56	-	VDD	88	0	A6
25	1/0	P23/DMARQ1	57	1	RESET	89	0	A7
26	1/0	P24/DMAAK1	58	0	REFRQ	90	0	A8
27	1/0	P25/TC1	59	0	R/W	91	0	A9
28	1/0.	P26/HLDAK	60	0	MSTB	92	0	A10
29	1/0	P27/HLDRQ	61	0	IOSTB	93	-	NC
30	1	P10/NMI	62	0	MREQ	94	0	A11
31		P11/INTP0	63	1	EA			
32	1	P12/INTP1	64	1/0	P00			

 $(V_{DD} = + 5V)$ 



#### CXA1727Q (SONY)

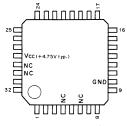
ID ADDER/DETECTOR FOR WIDE TV SIGNAL - TOP VIEW -

	1 1 1	
	18 24 47	69
	IC IC IC	TxDO 13
38	PTO	TxD1 16
39	PT 1	R×D0 10
40	PT2	RxD1 14
41	PT 3	CTS0 0-
42	PT4	CTS1 015
43	PT 5	
45	PT 6	EA 63
46	PT7	ì
		MREQ 0-
48	VTH	MSTB 0
		IOSTB 0-1
64	P0 0	R/W 59
65	P01	
66	P02	A 0 82
67	P03	A1 83
68	P04	A 2 84
71	P05	A 3 85
72	P06	A 4 86
73	PO7/CLKOUT	A 5 87
	1 017 GEROOT	A 6 88
58	REFRO	A 7 89
Ĭ	REFRO	A 8 90
30	P10/NMI	A9 91
31	P11/INTPO	A10 92
32	P12/INTPI	A11 94
33	P13/INTP2/INTAK	A12 1
34	P14/INT/POLL	A13 3
35	P15/TOUT	A14 4
36	P16/SCK0	A15 5
37	P17/READY	A16 6
		A17 7
17	P20/DMARQO	A 18 8
2 1	P21/DMAAKO	
23	P22/TCO	A19
25	P23/DMARQ1	74
26	P24/DMAAKI	0 0 75
27	P24/DMAAK1	7.6
28	P25/TC1	02 77
29	P25/HLDAK P27/HLDRQ	n, L20
	L STANDED KO	U4 70
53	×ı	80
54	X1 X2	D 6
_	RESET	07
	957	
	10,	

INPUT DMARQ0 DMARQ1	; DMA REQUEST CHO, CH1 INPUTS
EA	; ROM-LESS MODE SET INPUT
HLDRQ	; HOLD REQUEST INPUT
INTP0, INTP1	
	; INTERRUPT REQUEST INPUT
	; INTERRUPT REQUEST INPUT
NMI	; NON-MASKABLE INTERRUPT INPUT
PTO - PT7	: PORT 0 INPUTS
READY	: READY INPUT
RESET	: RESET INPUT
RXD0, RXD1	: SERIAL DATA INPUTS
VTH	: REF. V FOR COMPARATOR INPUT
	: CRYSTAL 1. 2
, <del>_</del>	,
OUTPUT A0 - A19	; ADDRESS BUS OUTPUTS

CLKOUT	; SYSTEM CLOCK OUTPUT
DMAAK0	; DMA ACKNOWLEDGE CHO, CH1 OUTPUTS
DMAAK1	; HOLD ACKNOWLEDGE OUTPUT
HLDAK	
INTAK	; INTERRUPT ACKNOWLEDGE OUTPUT
IOSTB	; I/O READ/WRITE STROBE OUTPUT
MREQ	; MEMORY REQUEST OUTPUT
MSTB	; MEMORY READ/WRITE STROBE OUTPUT
REFRQ	; REFRESH REQUEST OUTPUT
R∕W	; READ AND WRITE CYCLE OUTPUT
SCKO	; SERIAL CLOCK OUTPUT
TC0, TC1	; DMA (CHO/CH1) ENDING OUTPUTS
TOUT	; TIMER OUTPUT
TXD0, TXD1	; SERIAL DATA OUTPUTS

JΤ

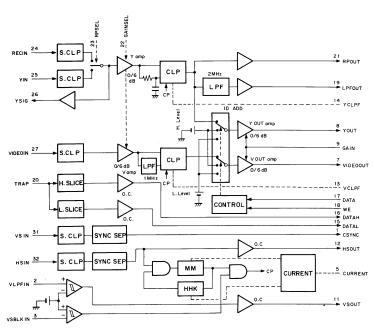


				(Vcc	= + 4.75V typ.)
PIN No.	1/0	SIGNAL	PIN No.	1/0	SIGNAL
1	0	CSYNC	17	_	DATA
2	1	VLPFIN	18	-	WE .
3	1	VSBLKIN	19	0	LPFOUT
4	- 1	NC	20	-	TRAP
5	0	CURRENT	21	0	RPOUT
6	-	NC	22	-1	GAINSEL
7	0	VIDEOOUT	23	1	RPSEL
8	0	YOUT	24	_	RECIN
9	1	GAIN	25	-	YIN
10	-	GND	26	0	YSIG
11	0	VSOUT	27	-1	VIDEOIN
12	0	HSOUT	28	-	Vcc
13	0	VCLPF	29	-	NC
14	0	YCLPF	30	-	NC
15	0	DATAL	31	1	VSIN
16	0	DATAH	32	1	HSIN

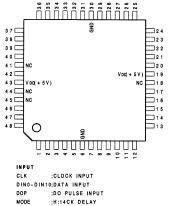
24	REC IN		
25	YIN	YSIG	21
23	RP SEL	RPOUT	2
	GAIN SEL	LPFOUT	1:
17	DATA	YCLPF	14
18	WE		۱
9		YOUT	8
_	GAIN V	IDEO OUT	ľ
20			16
20	TRAP	DATA H	15
31		DATAL	-
-	VSIN	C SYNC	ŕ
32			12
-	HSIN	HSOUT	- 5
2		URRENT	13
3		VCLFF	11
Ť	VSBLKIN	VSOUT	÷

INPUT DATA GAIN GAINSEL HSIN RECIN RECIN RPSEL TRAP VIDEOIN VLPFIN VSBLKIN VSIN WE YIN	; ID DATA ; VIDEO/Y OUT AMP GAIN SELECT ; Y AMP GAIN SELECT ; H SYNC SEP. ; REC Y ; Y R/P SELECT ; TRAPPED Y ; VIDEO ; LOWPASSED CSYNC ; LOWPASSED CSYNC ; USYNC SEP. ; ID WRITE ENABLE ; PB Y
OUTPUT CSYNC DATAH	; COMPOSITE SYNC : Y LEVEL HIGH

OTHER
CURRENT: REF CURRENT RESISTOR
VCLPF: CAPACITOR FOR VIDEO CLAMP
YCLPF: CAPACITOR FOR Y CLAMP



CXD101-106Q (SONY) C-MOS DIGITAL DELAY LINE - TOP VIEW -





DATA OUT TO MPU

OEN

TINT

SCK SIN

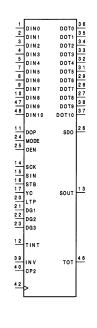
STB

YC

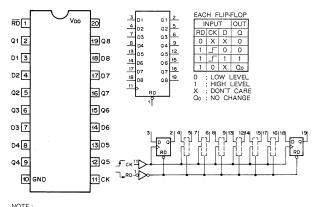
DG1-DG3 CP2

OUTPUT

SOUT TOT

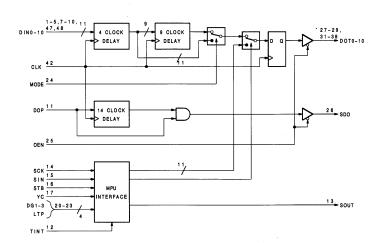


SN74HC273ANS (TI) FLAT PACKAGE C-MOS OCTAL D-TYPE FLIP-FLOPS WITH RESET - TOP VIEW -



NOTE:	
TYPE	VDD
AC HC	+2 to +6V
VHC	+2 to +5.5V

											( VDD = +5V)
PIN No.	1/0	SIGNAL									
1		DINO	1 3	0	SOUT	2.5	П	OEN	37	0	DOT10
2	1	DIN1	1 4	1	SCK	2 6	0	SDO	3.8	0	DOT9
3	1	DIN2	15	1	SIN	27	0	DOT8	3 9	1	INV
4	1	DIN3	1 6		STB	28	0	DOT7	40	-	CP2
5	1	DIN4	17	1	YC	29	0	DOT6	4 1	-	NC
6	-	GND	18	-	NC	3.0	-	GND	4 2		CLK
7	1	DIN5	19	-	V DD	3 1	0	DOT5	4 3	-	V DD
8	1	DIN6	20	1	LTP	3 2	0	DOT4	44	-	NC
9	1	DIN7	2 1	ı	DG1	33	0	DOT3	4 5	-	NC
10		DIN8	2 2	ı	DG2	3 4	0	DOT2	4 6	0	TOT
11	1	DOP	23	1	DG3	3 5	0	DOT1	47	ı.	DINS
1.2	1	TINT	2 4		MODE	3.6	0	DOTO	4.8		DIN 10



# SECTION 18 REPLACEABLE PARTS AND OPTIONAL FIXTURES

#### 18-1. NOTES ON REPAIR PARTS

#### (1) Safety Related Components Warning

Components marked with  $\triangle$  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose part numbers appear in this manual or in service bulletin and service manual supplements published by Sony.

#### (2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the part numbers of "the standardized genuine parts at present".

#### (3) Stock of Parts

Parts marked with "o" SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

#### (4) Units for Capacitors, Indictors and Resistors

The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

 $\begin{array}{ll} \text{Capacitors} & : \mu F \\ \text{Inductors} & : \mu H \\ \text{Resistors} & : \Omega \end{array}$ 

#### (5) Tension Spring

 $(\times \times T)$  after a tension spring is shown on the parts list in order to indicate the number of spring turns required for the use. (Example) TENSION, SPRING (20 T):

This spring must be cut at its 20th turn for actual use.

#### 18-1. 補修用部品注意事項

#### (1) 安全重要部品

回路図、分解図、電気部品表中、⚠ 印の部品は安全性を維持するために重要な部品です。従ってこれらの部品を交換するときには必ず指定の部品と交換して下さい。

#### (2) 部品の共通化

ソニーから供給される部品は、セットに実装されているものと異なることがあります。これは部品の共通化、改良等によるものです。

分解図や電気部品表には現時点での共通化された部品が記載されています。

#### (3) 部品の在庫

部品表のSP (Supply code) 欄に"o"で示される部品は交換頻度が低い部品ですので在庫していないことがあり、納期が長くなることがあります。

#### (4) コンデンサー、インダクター、抵抗の単位

回路図、分解図、電気部品表中、特に明記したものを除 き、下記の単位は省略されています。

コンデンサー :  $\mu$ F インダクター :  $\mu$ H 抵抗 :  $\Omega$ 

#### (5) 引張コイルバネ

部品表中の引張コイルバネの名称のあとの(××T)は、使用時の巻数を示しています。

(例) TENSION、SPRING(20 T)巻数が20になるように切断し、使用する。

UVW-1800/1600 UVW-1800P/1600P

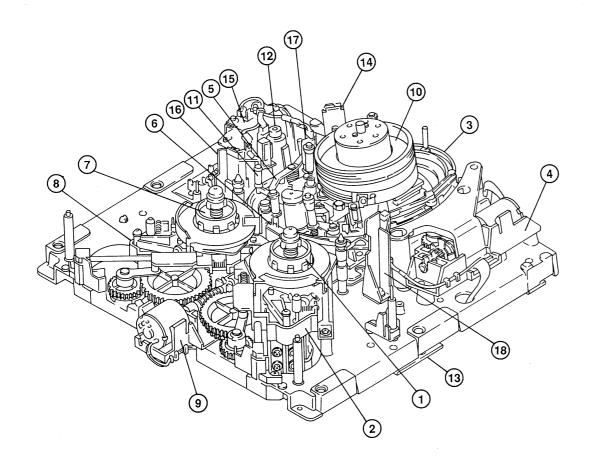
## 18-2. EXPLODED VIEWS

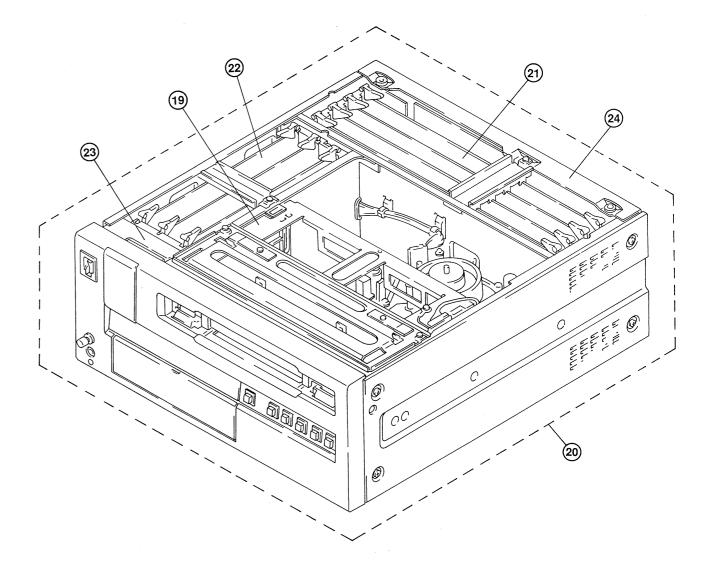
## **Index of Main Mechanical Parts/Components**

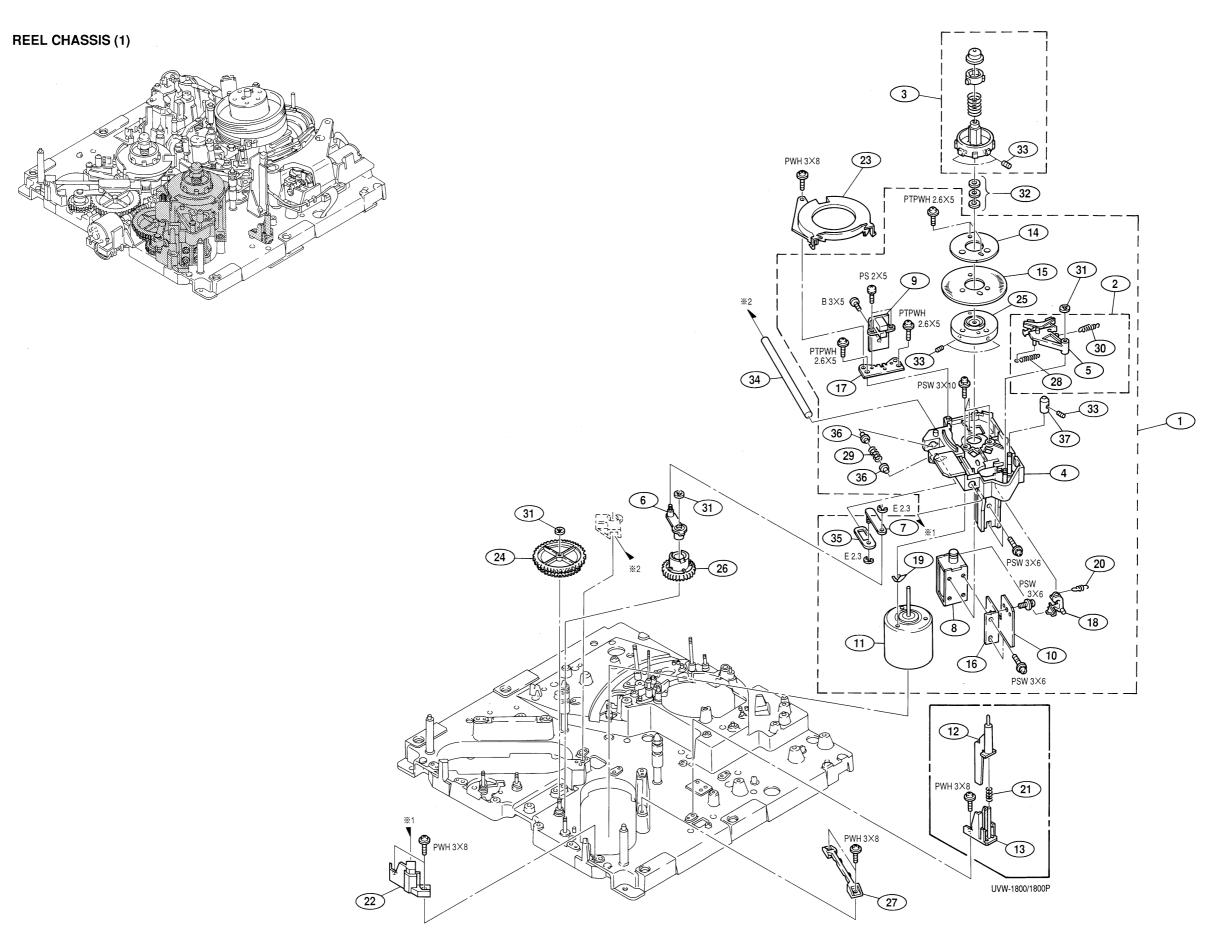
Mark	Item	Title	Page
① ②	Reel Table Block (T) RS Table (T) Block	REEL CHASSIS (1)	18-4
3 4 6	Loarding Ring Block Gear Box Block Cleaning Roller Block	LOARDING RING	18-6
6 7 8 9	MC Block Reel Table Block (S) RS Table (S) Block LS Motor Block	REEL CHASSIS (2)	18-8
(1) (1) (12)	Head Drum Tension Regulator Block Capstan Motor	DRUM & TENSION REGULATOR ASSEMBLY	18-10
(13)	DR-214 Board	DR-214 BOARD ASSEMBLY	18-12
(H) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	AT Head (R) Block Pinch Press Block FE Head Block CTL Head Block T Sensor Block	PRESS ASSY, PINCH	18-14
19	Cassette Compartment	CASSETTE COMPARTMENT ASSEMBLY	18-16
<b>2</b> 9	Upper Lid Bottom Plate Cabinet (right) Cabinet (left)	CHASSIS & ORNAMENTAL PANEL BLOCK	18-18
2)	Printed Circuit Boards	CARD RACK BLOCK (1)	18-20
22	Printed Circuit Boards	CARD RACK BLOCK (2)	18-22
33	SC Guide Block Indicator Tube Module, Fluoresce	CHASSIS BLOCK	18-24
24	Connector Panel	CONNECTOR PANEL BLOCK	18-26

MECHANICAL DECK

OVERALL BLOCK







## REEL CHASSIS (1) REEL CHASSIS (1)

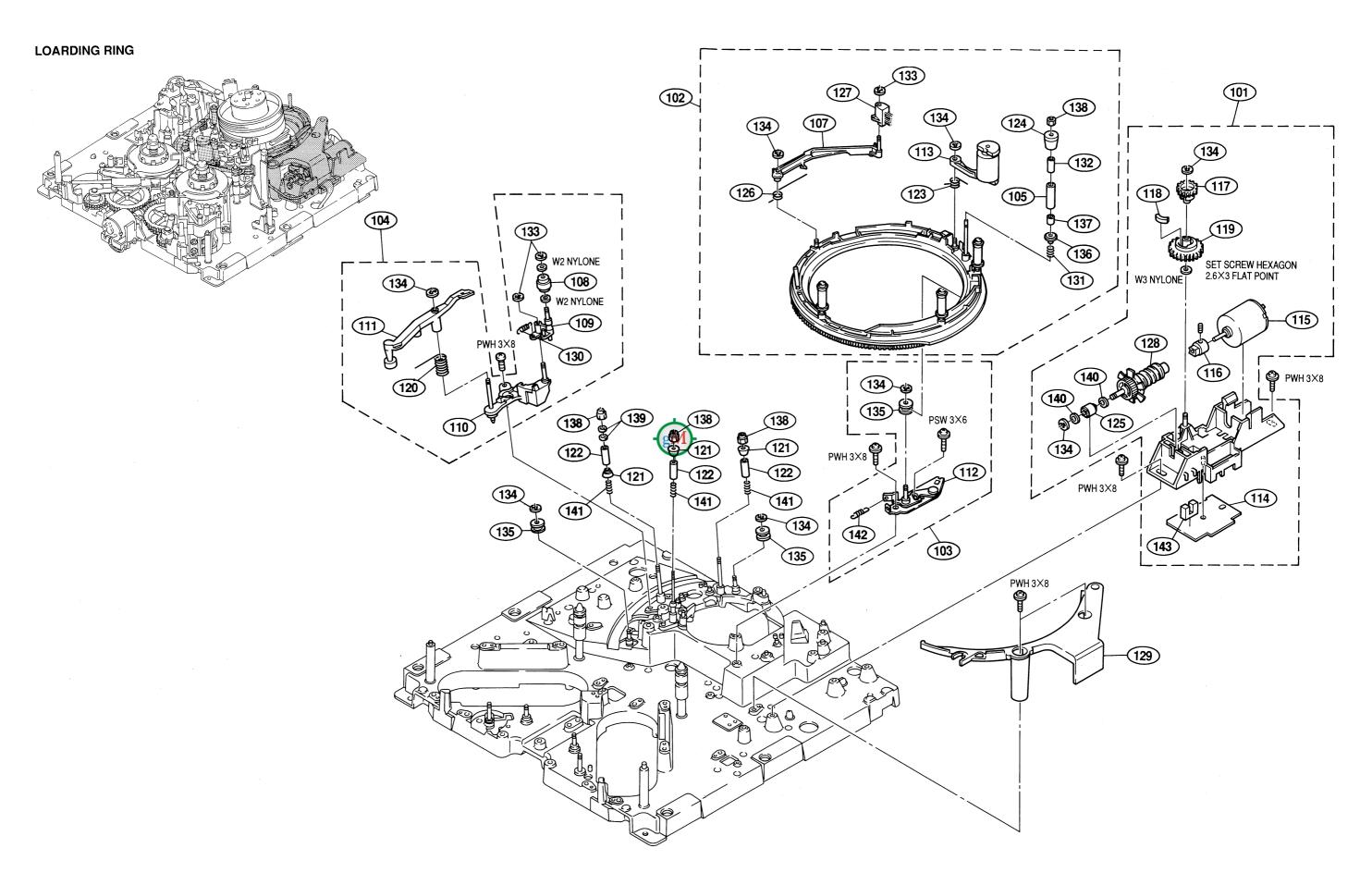
No.	Part No.	SP	Description
1 2 3 4 5	A-8267-690-B	s s o	TABLE (T) ASSY, RS BRAKE ASSY TABLE ASSY, REEL PLATE (T) ASSY, REEL MOTOR LINING ASSY
6 7 8 9 10		0 S 0	ARM ASSY, CRANK ARM (B) ASSY, CRANK SOLENOID, PLUNGER SE-207 BOARD RM-126 BOARD
11 12 13 14 15	3-180-745-01 3-180-746-01	0 0	MOTOR, DC (REEL) LEVER, MR (UVW-1800/1800P) HOLDER, MR (UVW-1800/1800P) RETAINER, DISK DISK, REEL
16 17 18 19		0 0 S	SHEET METAL (T), RM FITTING SHEET METAL, SENSOR FITTING ARM, BRAKE RELEASE SPACER (0.02T) SPACER (0.05T)
20 21 22 23 24	3-182-286-03 3-182-295-01 3-182-367-01 3-182-368-01 3-182-369-01	0 0 0	SPRING, TENSION SPRING, COMPRESSION (UVW-1800/1800P) RETAINER (T), SHAFT COVER, REEL WHEEL, WORM
25 26 27 28 29	3-182-375-03 3-182-382-01 3-182-402-01 3-307-381-00 3-491-247-00	s 0 s	DISK HUB, REEL GEAR (T), CRANK GUIDE, PLATE SPRING, TENSION SPRING, COMPRESSION
30 31 32 32 32	3-648-217-00 3-669-596-01 3-701-439-01 3-701-439-11 3-701-439-21	s s	SPRING, TENSION WASHER (2.3), STOPPER WASHER, POLY 3MM DIA 0.13T WASHER, POLY 3MM DIA 0.25T WASHER, POLY 3MM DIA 0.5T
33 34 35 36 37	3-717-230-01 3-717-231-01	s 0 0	SHAFT, SLIDE BRACKET, LIMITER HOLDER, LIMITER

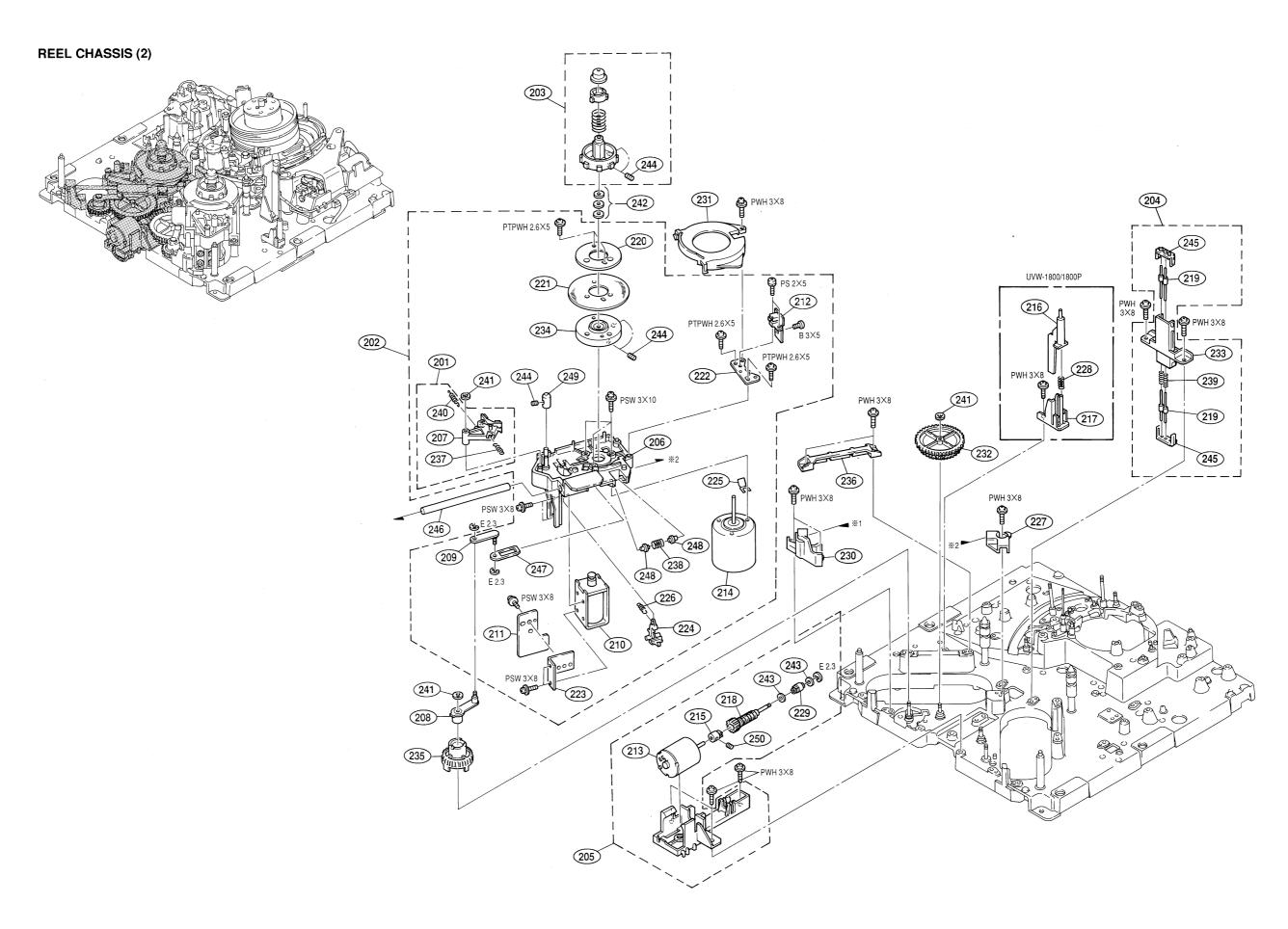
UVW-1800/1600 UVW-1800P/1600P

## LOARDING RING LOARDING RING

No.	Part No.	SP	Description
101 102 103 104 105	A-8267-680-B A-8267-681-C A-8267-683-A A-8267-699-C X-3167-224-1	0	ROLLER ASSY, ADJUSTMENT RING ROLLER ASSY, CLEANING
106 107 108 109 110	X-3167-225-1 X-3167-226-1 X-3167-232-1 X-3167-233-2 X-3167-234-1	s s o	ROLLER ASSY, GUIDE ARM ASSY, AT CLEANER ROLLER ASSY, C ARM ASSY, C MAIN DECK ASSY, C
111 112 113 114 115	X-3167-235-4 X-3167-236-1 X-3717-215-3 1-648-922-11 1-698-152-11	0 S 0	ARM ASSY, DRIVING ROLLER (B) ASSY, RING ARM ASSY, PINCH ROLLER PTC-67 BOARD MOTOR, DC (SVD-1449)
116 117 118 119 120	3-171-423-02 3-180-036-01 3-183-653-02 3-182-242-01 3-182-276-01	s s o	GEAR, LIMITER RUBBER, LIMITER WHEEL, WORM
121 122 123 124 125	3-182-293-01 3-182-294-01 3-182-346-02 3-182-347-01 3-182-349-01	s s s	FLANGE, PRECEDING UPPER
126 127 128 129 130	3-182-350-02 3-182-389-02 3-182-390-01 3-182-453-01 3-533-373-21	s 0 0	CLEANER, AT GEAR, WORM GUIDE, P
131 132 133 134 135	3-549-887-00 3-657-841-71 3-669-465-00 3-669-596-01 3-675-866-00	s s s	SPACER (2×6.5) WASHER (1.5), STOPPER WASHER (2.3), STOPPER
136 137 138 139 140	3-680-812-00 3-682-166-21 3-698-829-01 3-701-437-11 3-701-439-21	s s s	SPACER DIA 2 NUT (M2) WASHER POLY, 2MM DIA 0.25T
141 142 143	3-721-333-01 4-602-490-00 8-719-939-05	0	SPRING, COMPRESSION SPRING, TENSION PHOTO INTERR PTER GP1S54

18-6





## REEL CHASSIS (2) REEL CHASSIS (2)

18-9

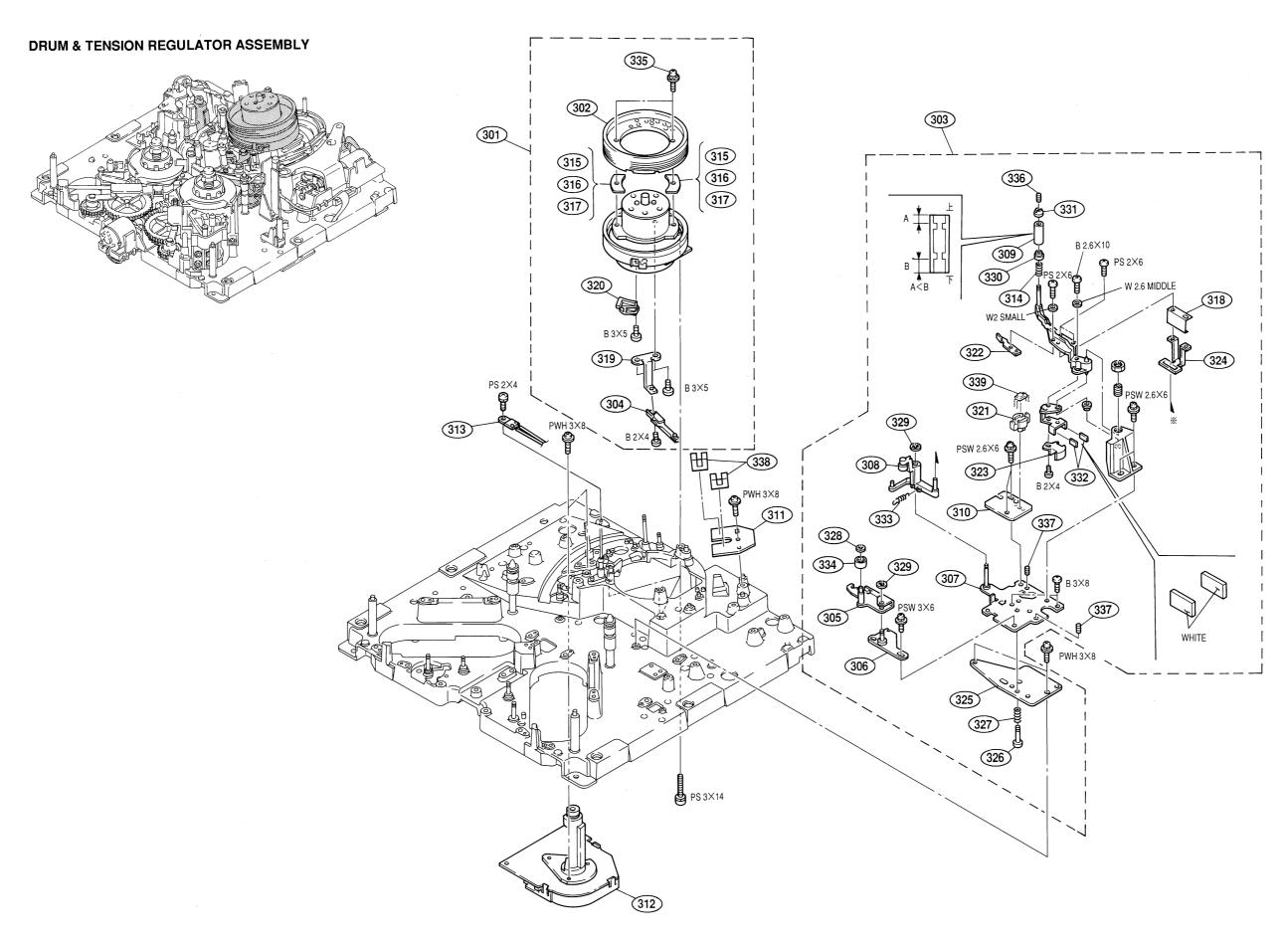
No.	Part No. S	Description
201 202 203 204 205	A-8267-690-B s A-8267-691-A s	TABLE (S) ASSY, RS TABLE ASSY, REEL
206 207 208 209 210	X-3167-231-3 s X-3717-202-3 d X-3717-204-1 d	PLATE (S) ASSY, REEL MOTOR LINING ASSY ARM ASSY, CRANK ARM (B) ASSY, CRANK SOLENOID, PLUNGER
211 212 213 214 215	1-648-923-11 c 1-698-152-11 s 1-698-231-12 s	RM-127 BOARD SE-207 BOARD MOTOR, DC (SVD-1449) MOTOR, DC (REEL) JOINT, MOTOR
216 217 218 219 220	3-180-746-01 c 3-182-266-01 c 3-182-277-01 c	
221 222 223 224 225	3-182-283-01	SHEET METAL, SENSOR FITTING SHEET METAL, (S) RM FITTING ARM, BRAKE RELEASE
225 226 227 228 229	3-182-292-01 d 3-182-295-01 d	SPACER SPRING, TENSION RETAINER (ST), SHAFT SPRING, COMPRESSION (UVW-1800/1800P) RETAINER, SHAFT
230 231 232 233 234	3-182-368-01 c 3-182-369-01 c 3-182-372-01 c	RETAINER (S), SHAFT COVER, REEL WHEEL, WORM HOLDER, MC DISK HUB, REEL
235 236 237 238 239	3-182-402-01 0 3-307-381-00 s 3-491-247-00 s	GEAR (S), CRANK GUIDE, PLATE SPRING, TENSION SPRING, COMPRESSION SPRING, COMPRESSION
240 241 242 242 242	3-669-596-01 s 3-701-439-01 s 3-701-439-11 s	SPRING, TENSION WASHER (2.3), STOPPER WASHER POLY 3MM DIA, 0.13T WASHER POLY 3MM DIA, 0.25T WASHER POLY 3MM DIA, 0.5T
243 244 245 246 247	3-701-506-01 s 3-717-207-01 s	WASHER POLY 3MM DIA, 0.5T SET SCREW, DOUBLE POINT 3×4 COVER, M/C DETECTION HOLDER SHAFT, SLIDE BRACKET, LIMITER
248 249 250	3-717-266-01	HOLDER, LIMITER CAP (S), CG SHAFT SET SCREW, DOUBLE POINT 2.6×3

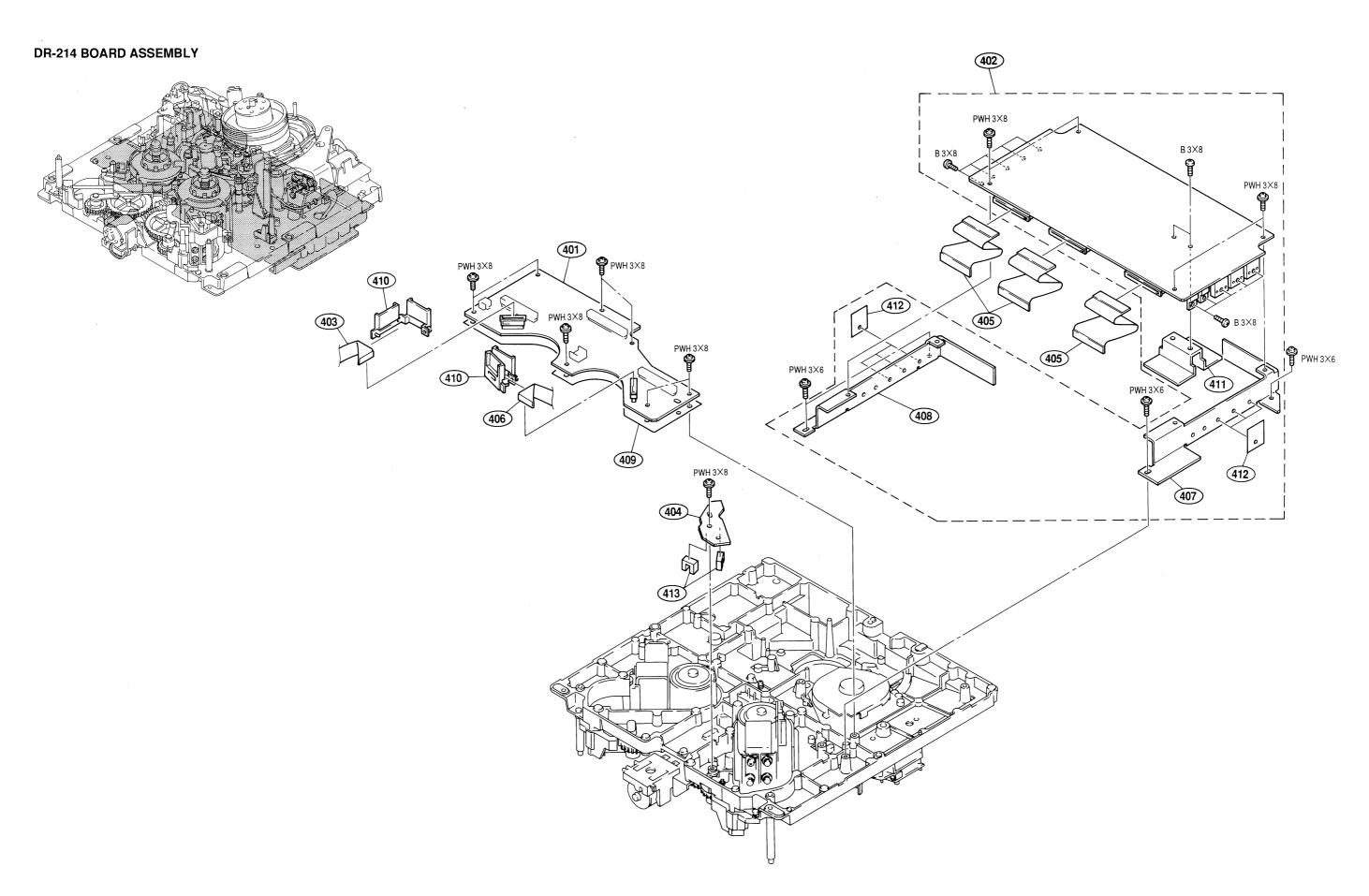
UVW-1800/1600 UVW-1800P/1600P

## DRUM & TENSION REGULATOR ASSEMBLY DRUM & TENSION REGULATOR ASSEMBLY

No.	Part No. SF	Description
301 301 301 301 302	A-8260-972-A s A-8260-976-A s A-8260-974-A s A-8260-978-A s A-8260-973-A s	HEAD DRUM ASSY, DBH-41A-R (UVW-1600) HEAD DRUM ASSY, DBH-40A-R (UVW-1800P)
302 302 302 303 304	A-8260-979-A s A-8267-693-A s	UPPER DRUM ASSY, DBR-40-R (UVW-1800P) UPPER DRUM ASSY, DBR-42-R (UVW-1600P)
305 306 307 308 309	X-3167-219-1 o X-3167-220-1 o X-3167-241-1 s	HOOK ASSY, TR BASE ASSY, TR HOOK PLATE, ADJUSTMENT ASSY, TR ARM ASSY, RETURN ROLLER ASSY, TR
310 311 312 313 314	1-648-927-11 o 1-698-179-11 s	TR-84 BOARD PTC-68 BOARD MOTOR, DC (CAPSTAN) SENSOR, DEW CONDENSATION SPRING
315 316 317 318 319	3-171-234-11 s 3-171-234-21 s 3-171-579-02 o	SPACER, FLANGE 0.01T SPACER, FLANGE 0.03T SPACER, FLANGE 0.05T SPRING,LEAF, TENSION REGULATOR BRACKET, GROUND
320 321 322 323 324	3-182-257-02 s 3-182-274-01 o 3-182-275-01 o	BRACKET (B) , TAPE HOLDER, DME PLATE, ADJUSTMENT, RETURN COVER, MAGNET PROTECTOR
325 326 327 328 329	3-437-173-02 o 3-653-350-00 s	BASE, TR SCREW, HEAD ADJUSTING SPRING, COMPRESSION WASHER (1.5), STOPPER WASHER (2.3), STOPPER
330 331 332 333 334	3-680-828-00 o	NUT, ADJÚSTMENT, T MAGNET SPRING, TENSION(POWER TENSION)
335 336 337 338 339	7-621-731-08 s 7-682-176-21 s	SCREW (M2.6×8) SET SCREW, FLAT POINT 2×2.5 SET SCREW, SLOT CONE POINT 3×6 PHOTO REFLECTOR NJL5803K-F10 DM-230-1

18-10 18-10





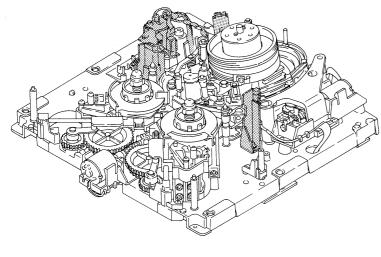
## DR-214 BOARD ASSEMBLY DR-214 BOARD ASSEMBLY

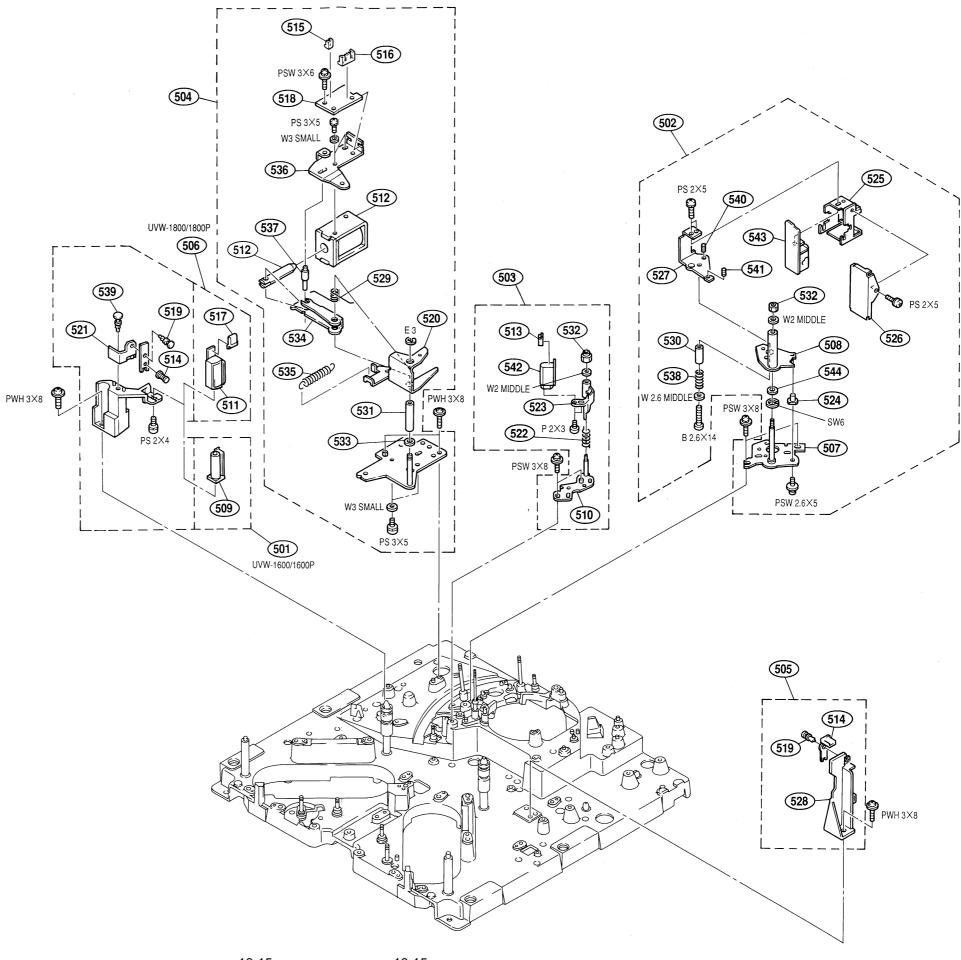
No.	Part No.	SP	Description
401 401 402 403 404	A-8275-290-A 1-558-261-31	0 0 S	COMPLETE PCB, MS-39A (UVW-1600/1600P) COMPLETE PCB, MS-39 (UVW-1800/1800P) COMPLETE PCB, DR-214 WIRE, FLEXIBLE CARD PTC-66 BOARD
405 406 407 408 409	1-751-633-11 1-751-634-11 3-182-357-01 3-182-358-01 3-182-400-01	s o	WIRE, FLEXIBLE CARD WIRE, FLEXIBLE CARD HEAT SINK (L), DR HEAT SINK (R), DR SHEET, MS
410 411 412 413	3-182-401-02 3-183-144-01 4-911-232-01 8-719-939-05	0 S	HOLDER, FLAT CABLE HEAT SINK (D), DR SHEET INSULATING PHOTO INTERRUPTER GP1S54

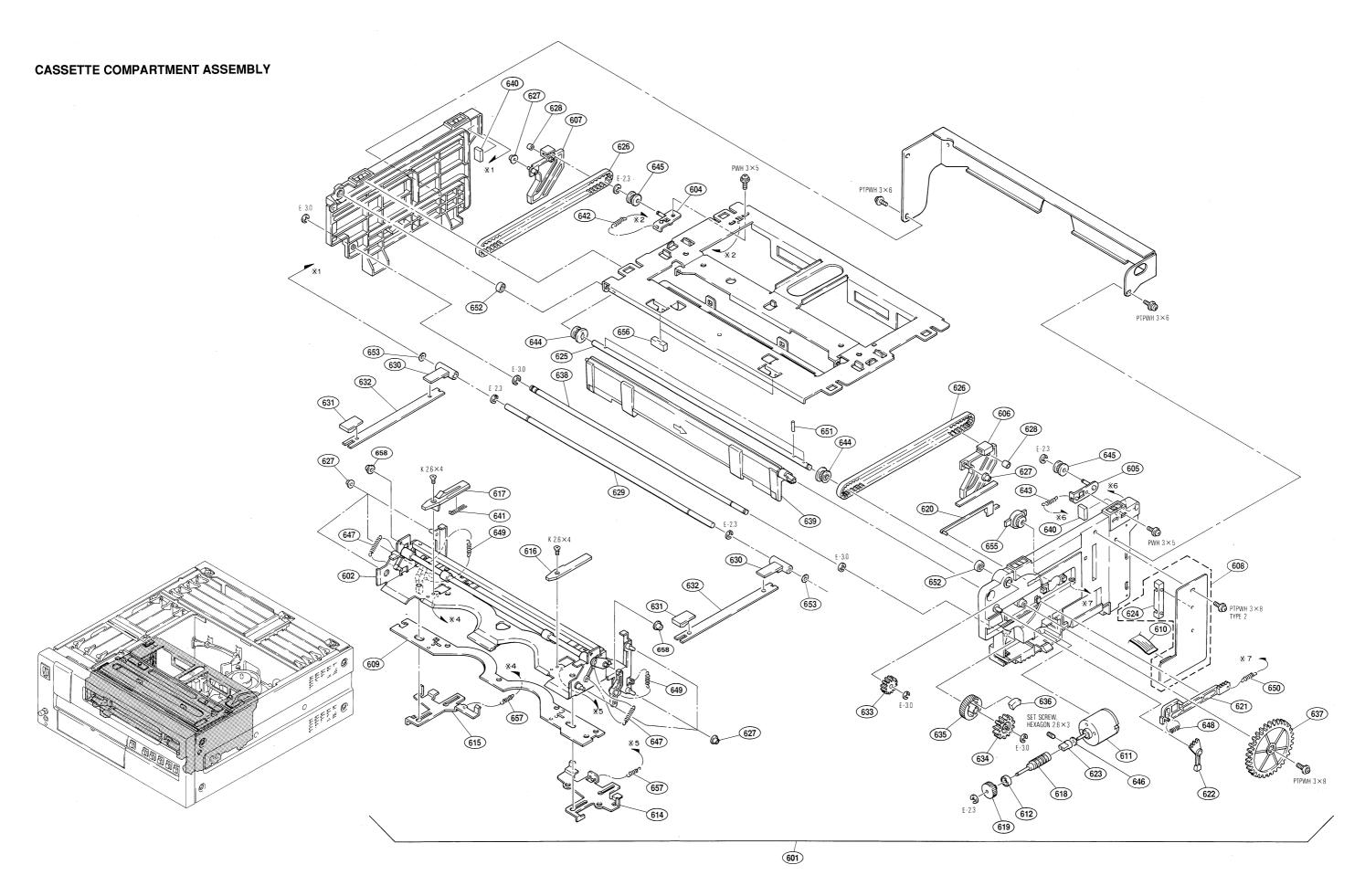
UVW-1800/1600 UVW-1800P/1600P

No.	Part No. SF	Description
502	A-8267-677-B s A-8267-682-B s A-8267-694-A s	BLADE ASSY (UVW-1600/1600P) HEAD (P) ASSY, AT (UVW-1600/1600P) HEAD (R) ASSY, AT (UVW-1800/1800P) HEAD ASSY, CTL PRESS ASSY, PINCH
507 507	A-8267-697-A o X-3167-210-2 o X-3167-228-2 o	SENSOR ASSY, T HEAD ASSY, FE (UVW-1800/1800P) SUPPORT (P) ASSY, AT (UVW-1600/1600P) SUPPORT (R) ASSY, AT (UVW-1800/1800P) PLATE, ADJUSTMENT ASSY, P (UVW-1600/1600P)
509 510 511	X-3167-212-2 s X-3167-221-1 o X-3167-316-2 s	PLATE, ADJUSTMENT ASSY, RP (UVW-1800/1800P) CLEANING BLADE ASSY (UVW-1600/1600P) BRACKET ASSY, CTL HEAD HEAD (EF291-21) ASSY (UVW-1800/1800P) SOLENOID, PLUNGER
516	1-543-316-31 s 1-564-001-11 o 1-564-005-11 o	PIN, CONNECTOR 2P HEAD, SENSING (SMALL TYPE) PIN, CONNECTOR 2P PIN, CONNECTOR 6P PIN, CONNECTOR 3P (UVW-1800/1800P)
519	2-279-715-01 s 3-182-244-01 o 3-182-250-01 o	LEVER, P PRESS HOLDER, S SENSOR
523 524 525 526 527	3-182-317-01 o 3-182-376-02 o	DECK, CTL HEAD SHAFT, AT FIXED CASE (1), AT SHIELD CASE (2), AT SHIELD BRACKET, RP
528 529 530 531 532	3-537-674-03 s 3-642-719-01 o	HOLDER, T SENSOR SPRING, TENSION SPACER (2.6×11) SPACER (4×25) NUT (M2)
533 534 535 536 537	3-717-247-01 o 3-717-248-01 o 3-717-249-01 o	SPRING
538 539 540 541 542	4-812-134-21 s 7-621-712-46 s	SPRING, COMPRESSION RIVET NYLON, 3.5 SET SCREW, SLOT FLAT POINT 2.6×5 SET SCREW, SLOT CONE POINT 2.6×6 HEAD, CTL PS244-21B
543 543 544	8-825-778-91 s	HEAD EPS244-2103H (UVW-1800/1800P) HEAD PS244-2103G (UVW-1600/1600P) WASHER (0.5T)

# PRESS ASSY, PINCH







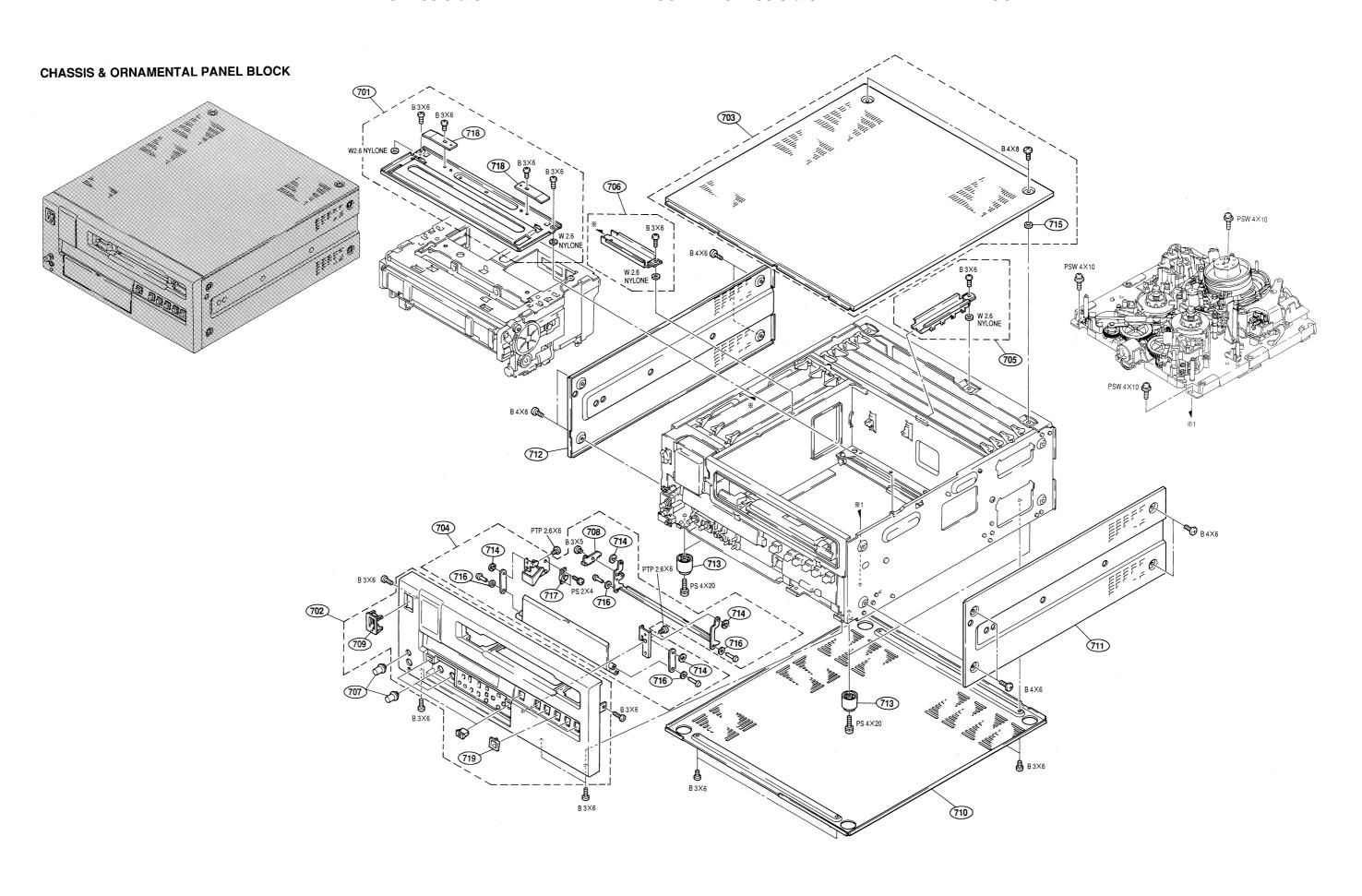
No.	Part No.	SP	Description
601 602 604 605 606	A-8267-863-A A-8276-957-A X-3166-065-1 X-3167-447-2	s 0 0	CASSETTE COMPARTMENT ASSY STAGE ASSY(RP) DECK (L) ASSY, PULLEY DECK (R) ASSY, PULLEY SLIDER (R) ASSY
607 608 609 610 611	X-3167-446-2 A-8276-626-B A-8276-625-A 1-751-644-11 1-698-152-11	0	SLIDER (L) ASSY MOUNTED CIRCUIT BOARD, CL-29 MOUNTED CIRCUIT BOARD, PC-70 WIRE, FLEXIBLE CARD (5P) MOTOR, DC SVD-1499
612 614 615 616 617	3-188-745-01 3-171-367-04 3-171-398-03 3-171-399-02 3-171-400-04	s 0 0 0	BEARING, BALL, (B) (NO FRANGE) SWITCH (R), IN SWITCH (L), IN GUIDE (R), CASSETTE GUIDE (L), CASSETTE
618 619 620 621 622	3-171-418-02 3-171-419-11 3-171-420-03 3-171-421-01 3-171-422-01	s s o o	WORM WHEEL SHUTTER SLIDER, DOOR SWITCHING LEVER, DOOR SWITCHING
623 624 625 626 627	3-171-423-02 3-171-424-02 3-171-457-01 3-171-458-01 3-171-459-01	0 0 0 8 8	JOINT, MOTOR HOLDER, SENSER SHAFT, JOINT BELT, TIMING ROLLER, GUIDE
628 629 630 631 632	3-171-460-01 3-171-461-01 3-171-462-01 3-171-463-02 3-171-464-01	s 0 0 0	ROLLER, SLIDER SHAFT, RETAINER, L CASSETTE HOLDER, SHAFT PLATE SPRING, LEAF
633 634 635 636 637	3-171-465-01 3-171-466-02 3-181-430-01 3-181-431-01 3-171-479-01	0 0 0 0	GEAR, DRIVING GEAR, LIMITER WHEEL, WORM RUBBER, LIMITER GEAR, MIDWAY
638 639 640 641 642	3-171-480-01 3-171-510-02 3-174-908-01 3-176-139-01 3-176-578-01	0 S S S	SHAFT, WORM WHEEL DOOR, CASSETTE STOPPER SPRING, C GUIDE SPRING, TENSION
643 644 645 646 647	3-176-579-01 3-176-583-01 3-176-584-01 3-182-706-01 3-548-757-00	0	SPRING, TENSION PULLEY (A) PULLEY (B) SPACER SPRING, TENSION
648 649 650 651 652	3-579-759-00 3-646-214-00 3-672-461-00 3-677-193-00 3-698-217-01	s s o s	SPRING, COMPRESSION SPRING SPRING, TENSION PIN, STOPPER BEARING (NO FLANGE), BALL
653 655 656 657 658	3-701-439-21 3-712-786-01 3-717-369-04 4-858-799-00 3-188-273-01		WASHER DAMPER, OIL STOPPER, DOOR SPRING, TENSION ROLLER(B), GUIDE

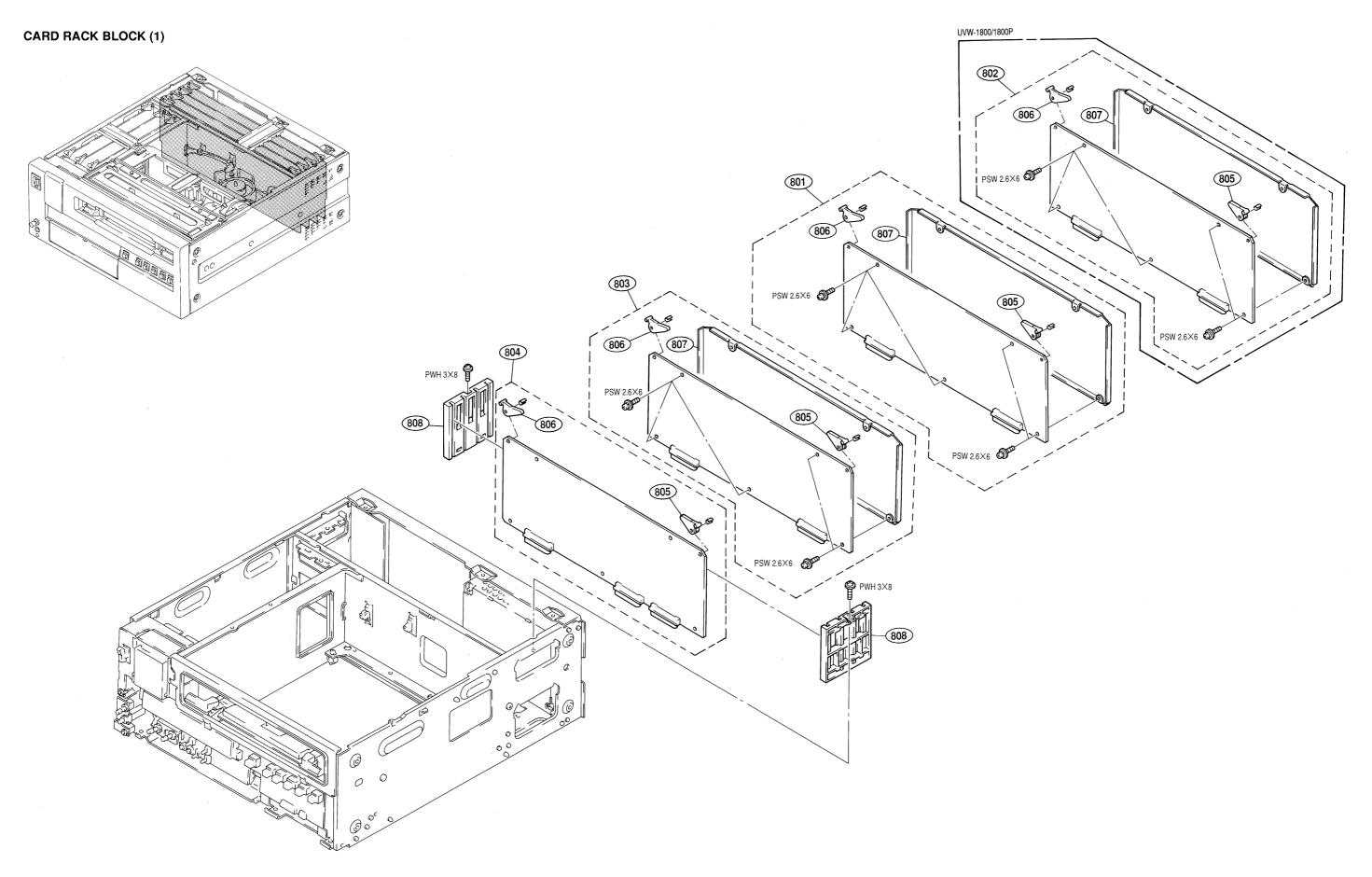


18-17 18-17 UVW-1800/1600

### CHASSIS & ORNAMENTAL PANEL BLOCK CHASSIS & ORNAMENTAL PANEL BLOCK

No.	Part No.	SP	Description
701	A-6771-428-A	s	STAY ASSY, CASSETTE COMPARTMENT
702	A-8267-664-G	0	PANEL ASSY, FRONT (UVW-1600)
702	A-8267-909-B	0	PANEL ASSY, FRONT (UVW-1600P)
702	A-8267-666-G	0	PANEL ASSY, FRONT (UVW-1800)
702	A-8267-911-B	0	PANEL ASSY, FRONT (UVW-1800P)
703	A-8267-665-A	0	LID, UPPER ASSY
704	A-8267-667-C	0	DOOR ASSY, FRONT
705	A-8267-670-B	0	
706	A-8267-673-B	-	RETAINER (S) ASSY, PC BOARD
707	X-3166-071-1	s	KNOB ASSY (B), VOL
708	3-182-395-01	0	GEAR, DAMPER
709	3-182-406-01	0	GUARD, POWER SW
710	3-182-441-03	0	PLATE, BOTTOM
711	3-182-451-02	0	CABINET (RIGHT)
712	3-182-452-02	0	CABINET (LEFT)
713	3-642-656-01	s	FOOT
714	3-669-595-00	s	WASHER (2), STOPPER
715	3-688-102-01	0	SPACER, M4
716	3-701-438-21	s	WASHER
717	3-712-786-02	s	DAMPER, OIL
718	3-717-306-01	0	SPRING
719	3-717-377-01	0	FRAME (SQUARE 17), ORNAMENTAL





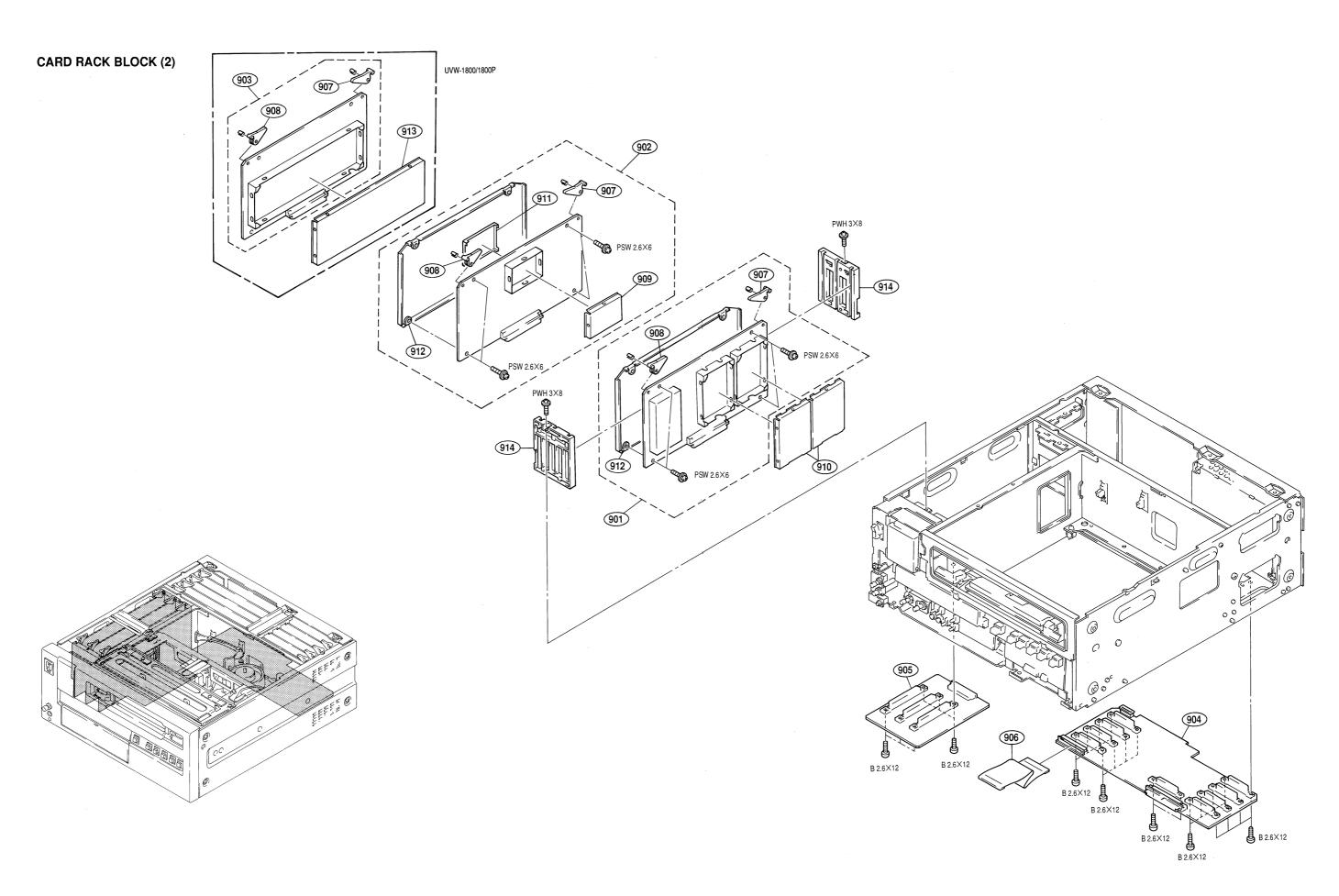
# CARD RACK BLOCK (1) CARD RACK BLOCK (1)

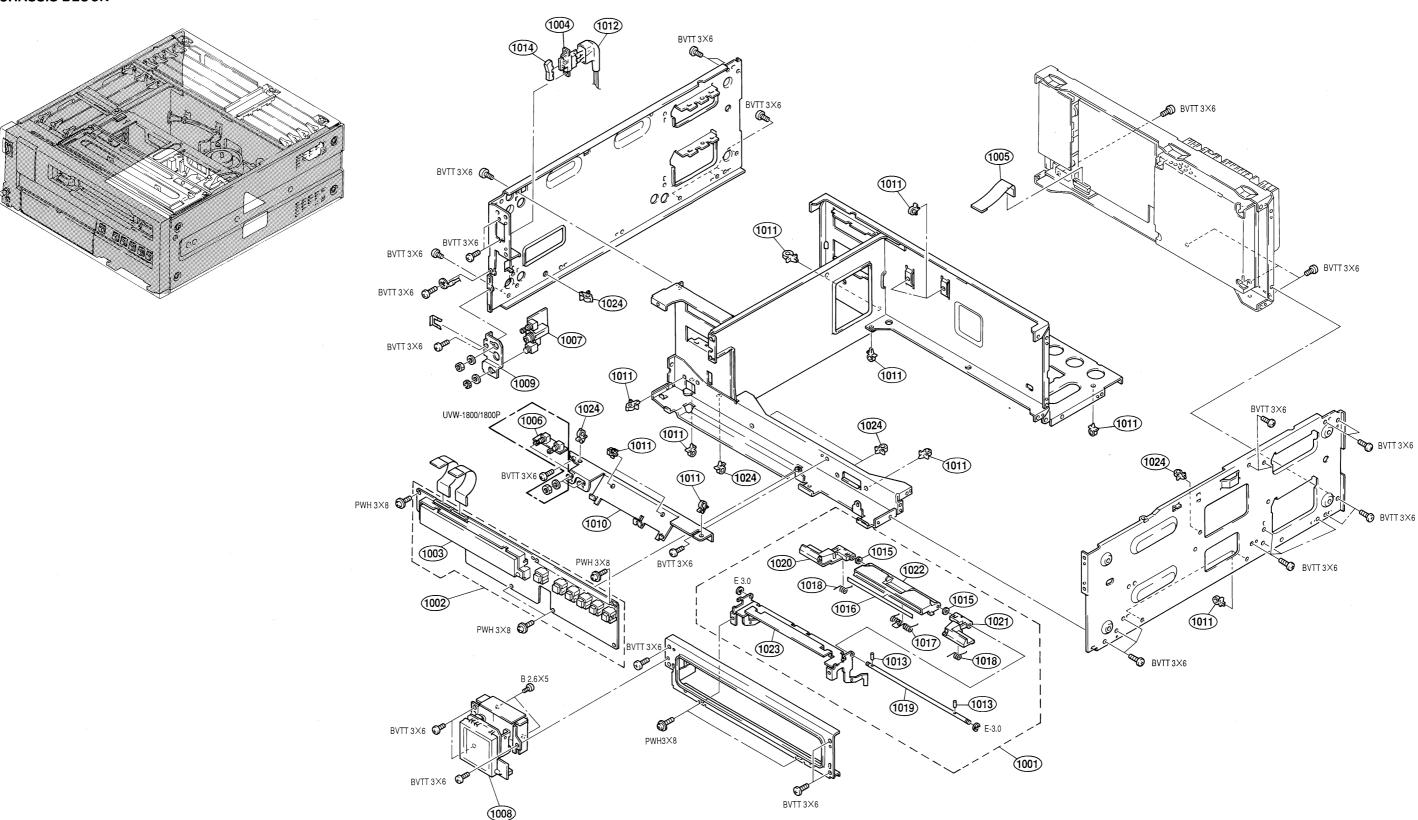
No.	Part No.	SP	Description
801 801	A-8275-277-A A-8275-464-A	0	, , , , , , , , , , , , , , , , , , , ,
801 801	A-8275-281-A A-8275-468-A	-	
802	A-8275-280-A	-	MOUNTED CIRCUIT BOARD, VRA-5 (UVW-1800)
802 803 803 804 805	A-8275-469-A A-8275-284-A	0	MOUNTED CIRCUIT BOARD, VRA-5P (UVW-1800P) MOUNTED CIRCUIT BOARD, TBC-25 (UVW-1800/1600) MOUNTED CIRCUIT BOARD, TBC-25P (UVW-1800P/1600P) MOUNTED CIRCUIT BOARD, SS-53 LEVER, PC BOARD (R)
806 807 808	3-182-386-02	0	LEVER, PC BOARD (L) PLATE, SHIELD (L), CARD GUIDE (L), PCB

UVW-1800/1600 UVW-1800P/1600P

# CARD RACK BLOCK (2) CARD RACK BLOCK (2)

No.	Part No. SF	P Description
901	A-8275-278-A o	MOUNTED CIRCUIT BOARD, RP-70A (UVW-1600)
901	A-8275-465-A o	
901	A-8275-285-A o	
901	A-8275-470-A o	
902	A-8275-279-A o	
902	A-8275-466-A o	MOUNTED CIRCUIT BOARD, AP-31AP (UVW-1600P)
902	A-8275-286-A o	
902	A-8275-471-A o	
903	A-8275-287-A o	
903	A-8275-472-A o	MOUNTED CIRCUIT BOARD, AR-14P (UVW-1800P)
904	A-8276-730-A o	MOUNTED CIRCUIT BOARD, MB-470A (UVW-1600)
904	A-8276-855-A o	• • • • • • • • • • • • • • • • • • • •
904	A-8276-736-A o	,
904	A-8276-854-A o	
905	A-8276-731-A o	
905	A-9276-737-A o	MOUNTED CIRCUIT BOARD, MB-471 (UVW-1800/1800P)
906		WIRE, FLEXIBLE CARD 34P
907		LEVER, PC BOARD (R)
908	3-179-085-01 s	, , , , , , , , , , , , , , , , , , , ,
909		CASE, SHIELD (LID), AP2
040	0.400.040.04	CACE CHIELD (LID) DDZOV
910		CASE, SHIELD (LID), PR70V
911		CASE, SHIELD, AP (2B)
912 913	3-182-385-02 o 3-182-407-01 o	· - · · · · · · · · · · · · · · · · · ·
913		GUIDE (S), PCB
914	3-102-439-02 0	GUIDE (3), FUB





### CHASSIS BLOCK CHASSIS BLOCK

No.	Part No.	SP	Description
1001 1002 1002 1003 1004 A	A-8275-289-A	0 0 S	COMPLETE PCB, KY-249A (UVW-1600/1600P) COMPLETE PCB, KY-249 (UVW-1800/1800P) INDICATION TUBE, FLUORESCENT
1005 1006 1007 1007 1008 A	1-648-916-11 1-648-917-11 1-648-917-21	0	WIRE, FLAT TYPE (17 CORE) VR-155 BOARD (UVW-1800/1800P) HP-61 BOARD (UVW-1800/1800P) HP-61A BOARD (UVW-1600/1600P) INDICATOR TUBE MODULE, FLUORES
1009 1010 1011 1012 1013	3-182-449-01 3-312-955-00 3-659-969-11	0 0	BRACKET, HP FIXED BRACKET, VR CLIP, CABLE COVER, SWITCH PIN, STOPPER
1014 1015 1016 1017 1018	3-701-441-21 3-717-614-01 3-717-615-01	s 0 0	CAP, SWITCH WASHER LABEL, C-LOCK OUT SPRING SPRING
1019 1020 1021 1022 1023	3-717-618-01 3-717-619-02 3-717-620-01	0 0 0 0	SHAFT, SC GUIDE GUIDE (LEFT), SC GUIDE (RIGHT), SC PLATE, OUT, C-LOCK PLATE, INDICATION, SC GUIDE
1024	4-312-237-00	0	CLIP, CABLE

UVW-1800/1600 UVW-1800P/1600P

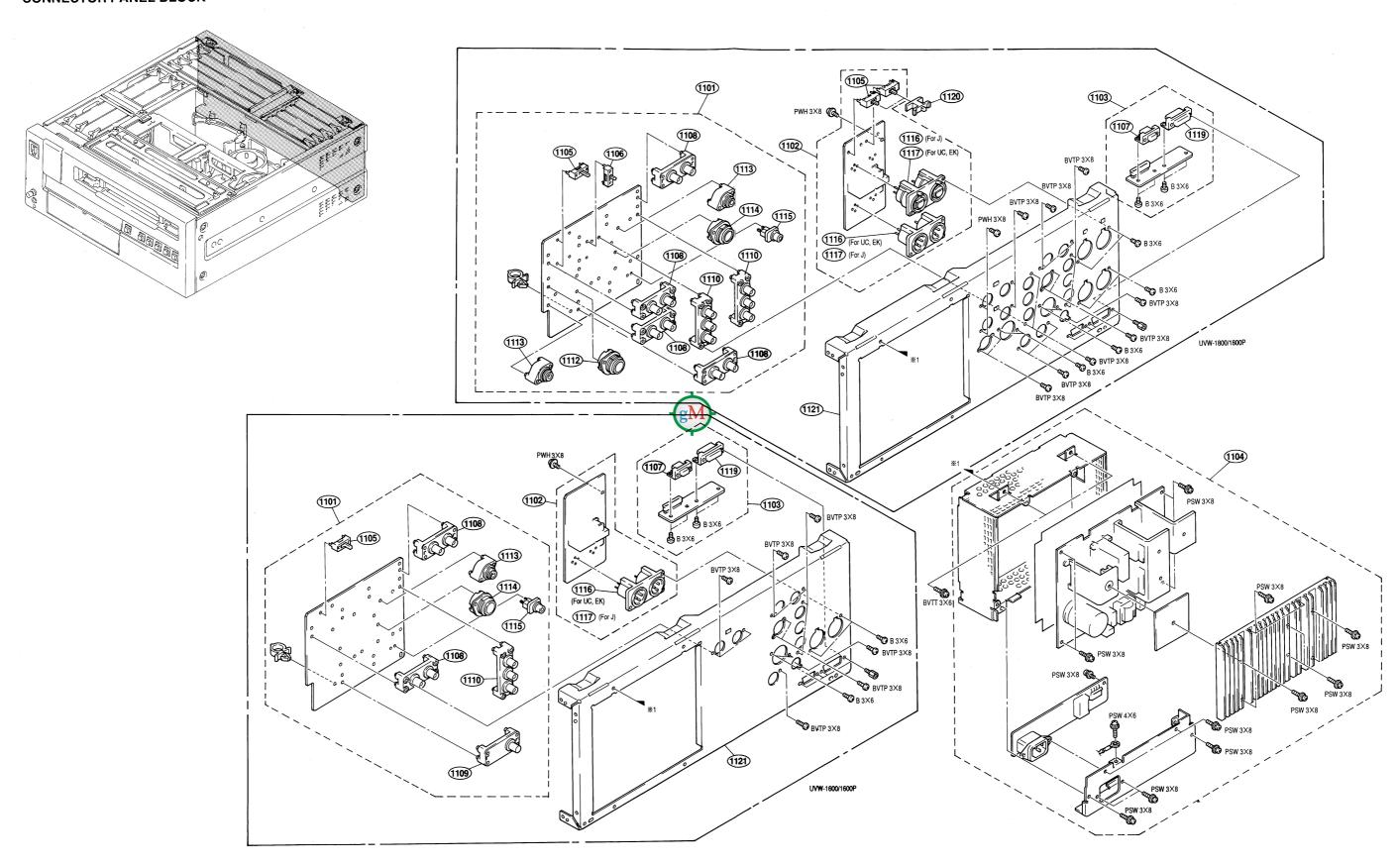
### CONNECTOR PANEL BLOCK

### CONNECTOR PANEL BLOCK

No.	Part No. SF	P Description
1101 1101 1102 1102 1102	A-8276-732-A o A-8276-738-A o A-8276-733-A o A-8276-739-A o A-8276-762-A o	MOUNTED PCB, CP-225 (UVW-1800/1800P) MOUNTED PCB, CP-226A (UVW-1600/1600P) MOUNTED PCB, CP-226 (UVW-1800/1800P)
1103 1104 <u>/</u>	A-8276-734-A o A-8276-741-A o	MOUNTED PCB, CP-237 (UVW-1800/1800P) SWITCHING REGULATOR (SOPS-1045) (UVW1800/1600)
1105 1106 1107 1108 1109	1-570-756-11 s	CONNECTOR, D-SUB (ANGLE TYPE) 9P CONNECTOR, BNC (RECEPTACLE)
1110 1112 1113 1114 1115		CONNECTOR (R-M) 12P (UVW-1800/1800P) CONNECTOR, (S) TERMINAL 4P CONNECTOR (R-F) 12P
1116 1117 1119 1120 1121	1-750-785-11 s 1-750-786-11 s 1-764-259-11 s 3-171-450-01 o 3-182-459-02 o	CONNECTOR (XLR TYPE) 3P CONNECTOR, D-SUB (ANGLE TYPE) 15P ADAPTOR, SW

1121 3-182-459-12 o CONNECTOR, PANEL (UVW-1600/1600P)

#### **CONNECTOR PANEL BLOCK**



#### 18-3.ELECTRICAL PARTS LISTS

AP-31 BOARD (UVW-1800)		(AP-31 B	BOARD (UVW-1800))	
Ref. No.	P Description	Ref. No. or Q'ty	Part No. SP Description	
1pc 3-179-084-01 s 1pc 3-179-085-01 s 1pc 3-182-385-02 c	MOUNTED CIRCUIT BOARD, AP-31 S LEVER (R), PC BOARD S LEVER (L), PC BOARD D PLATE, SHIELD (S), CARD	C59 C60 C61 C62 C63	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-926-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 1000uF 20% 10V	
lpc 7-621-759-45 s lpc 3-182-298-01 c	S SCREW, +PSW2.6x6 CASE, SHIELD (LID), AP (2) CASE, SHIELD, AP (2B)	C64 C65 C66 C67 C68	1-126-926-11 s ELECT 1000uF 20% 10V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25 1-126-926-11 s ELECT 1000uF 20% 10V 1-126-947-11 s ELECT 47uF 20% 35V 1-124-903-11 s ELECT 1uF 20% 50V	5 <b>V</b>
C5 1-126-964-11 s C7 1-130-485-00 s	S CERAMIC, CHIP 390PF 5% 50V S CERAMIC, CHIP 47PF 5% 50V S CERAMIC, CHIP 68PF 5% 50V S ELECT 10uF 20% 50V S MYLAR 0.015uF 5% 50V	C69 C70 C71 C72 C73	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 1-130-491-00 s MYLAR 0.047uF 5% 50V	
C10 1-120-504-11 s	SELECT 100uF 20% 16V SCERAMIC, CHIP 220PF 5% 50V SELECT 10uF 20% 50V SELECT 22uF 20% 50V SCERAMIC, CHIP 330PF 5% 50V	C74 C75 C76 C77 C78	1-130-491-00 s MYLAR 0.047uF 5% 50V 1-130-491-00 s MYLAR 0.047uF 5% 50V 1-130-491-00 s MYLAR 0.047uF 5% 50V 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-964-11 s ELECT 10uF 20% 50V	1
C16 1-128-551-11 s C17 1-163-235-11 s C18 1-128-551-11 s	SELECT 10uF 20% 50V SELECT 22uF 20% 50V	C79 C80 C81 C82 C83	1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-130-483-00 s MYLAR 0.01uF 5% 50V 1-126-926-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 1000uF 20% 10V	
C21-C26 1-130-487-00 s C27 1-163-243-11 s C28 1-163-017-00 s	s MYLAR 0.18uF 5% 50V s MYLAR 0.022uF 5% 50V s CERAMIC, CHIP 47PF 5% 50V s CERAMIC, CHIP 0.0047uF 5% 50V s MYLAR 0.01uF 5% 50V	C84 C85 C87 C202 C203	1-124-925-11 s ELECT 2.2uF 20% 100V 1-131-352-00 s TANTALUM 6.8uF 10% 35V 1-126-964-11 s ELECT 10uF 20% 50V 1-163-131-00 s CERAMIC, CHIP 390PF 5% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	
C31 1-163-275-11 s C32 1-163-275-11 s C33 1-163-275-11 s	S CERAMIC, CHIP 0.001uF 5% 50V S MYLAR 0.01uF 5% 50V	C204 C205 C207 C208 C209	1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-130-485-00 s MYLAR 0.015uF 5% 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	V
C36 1-163-243-11 s C37 1-164-232-11 s C38 1-164-232-11 s	S CERAMIC, CHIP 820PF 5% 50V S CERAMIC, CHIP 47PF 5% 50V S CERAMIC, CHIP 0.01uF 10% 100V S CERAMIC, CHIP 0.01uF 10% 100V S ELECT 2.2uF 20% 100V	C210 C211 C212 C215 C216	1-126-964-11 s ELECT 10uF 20% 50V 1-128-551-11 s ELECT 22uF 20% 50V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-128-551-11 s ELECT 22uF 20% 50V	<b>/</b>
C41 1-107-498-11 s C42 1-107-498-11 s C43 1-107-499-11 s	S CERAMIC, CHIP 0.1uF 10% 25V S FILM, CHIP 0.0022uF 2% 50V S FILM, CHIP 0.0022uF 2% 50V S FILM, CHIP 0.0039uF 2% 16V S TANTALUM 0.47uF 10% 35V	C217 C218 C219 C220 C221–226	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-128-551-11 s ELECT 22uF 20% 50V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-130-498-00 s MYLAR 0.18uF 5% 50V 6 1-130-487-00 s MYLAR 0.022uF 5% 50V	
C46 1-124-925-11 s C47 1-104-553-11 s C48 1-130-499-00 s	S MYLAR 0.15uF 5% 50V S ELECT 2.2uF 20% 100V S FILM, CHIP 0.015uF 5% 16V S MYLAR 0.22uF 5% 50V S CERAMIC, CHIP 0.068uF 10% 25V	C227 C228 C229 C230 C231	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V 1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 1-130-483-00 s MYLAR 0.01uF 5% 50V 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 5 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 5	50V
C51 1-124-925-11 9 C52 1-107-553-11 9 C53 1-104-551-11 9	s FILM, CHIP 0.056uF 5% 16V s ELECT 2.2uF 20% 100V s FILM, CHIP 0.0056uF 2% 16V s FILM, CHIP 0.01uF 5% 16V s MYLAR 0.0039uF 5% 50V	C232 C233 C234 C235 C236	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 5 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 5 1-130-483-00 s MYLAR 0.01uF 5% 50V 1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	50 <b>V</b>
C56 1-163-251-11 s C57 1-126-947-11 s	s MYLAR 0.0039uF 5% 50V s CERAMIC, CHIP 100PF 5% 50V s ELECT 47uF 20% 35V s CERAMIC, CHIP 330PF 5% 50V	C237 C238 C239 C240	1-124-925-11 s ELECT 2.2uF 20% 100V 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V 1-107-499-11 s FILM, CHIP 0.0039uF 2% 16V	V

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description	or Q'ty
C241 C242 C243 C244 C245	1-131-345-00 s TANTALUM 0.47uF 10% 35V 1-130-497-00 s MYLAR 0.15uF 5% 50V 1-124-925-11 s ELECT 2.2uF 20% 100V 1-104-553-11 s FILM, CHIP 0.015uF 5% 16V 1-130-499-00 s MYLAR 0.22uF 5% 50V  1-164-344-11 s CERAMIC, CHIP 0.068uF 10% 25V 1-104-560-11 s FILM, CHIP 0.056uF 5% 16V 1-124-925-11 s ELECT 2.2uF 20% 100V 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V 1-104-551-11 s FILM, CHIP 0.01uF 5% 16V	C424 1-126-933-11 s ELECT 100uF 20% 16V C425 1-126-933-11 s ELECT 100uF 20% 16V C426 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C427 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C428 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V	C424 C425 C426 C427 C428
C246 C247 C248 C249 C250	1-164-344-11 s CERAMIC, CHIP 0.068uF 10% 25V 1-104-560-11 s FILM, CHIP 0.056uF 5% 16V 1-124-925-11 s ELECT 2.2uF 20% 100V 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V 1-104-551-11 s FILM, CHIP 0.01uF 5% 16V	C429 1-161-021-11 s CERAMIC 0.047uF 10% 25V C430 1-161-021-11 s CERAMIC 0.047uF 10% 25V C500 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C501 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C600 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V	C429 C430 C500 C501 C600
C251 C252 C253	1-130-478-00 s MYLAR 0.0039uF 5% 50V 1-130-478-00 s MYLAR 0.0039uF 5% 50V 1-163-251-11 s CFRANIC CHIP 100PF 5% 50V	C601 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V CN1 1-506-468-11 s CONNECTOR 3P, MALE	C601
C254 C255	1-126-947-11 s ELECT 47uF 20% 35V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	CN2 1-564-002-41 s CONNECTOR 3P, MALE CN3 1-564-002-11 s CONNECTOR 3P, MALE CN111 1-573-600-21 s CONNECTOR, PHEC 100P, MALE	CN1 CN2 CN3 CN111
C256 C257 C258 C259 C260	1-104-331-11 S FILM, CHIP 0.01uF 5% 16V  1-130-478-00 S MYLAR 0.0039uF 5% 50V  1-163-251-11 S CERAMIC, CHIP 100PF 5% 50V  1-126-947-11 S ELECT 47uF 20% 35V  1-163-263-11 S CERAMIC, CHIP 330PF 5% 50V  1-163-235-11 S CERAMIC, CHIP 22PF 5% 50V  1-126-964-11 S ELECT 10uF 20% 50V  1-126-964-11 S ELECT 10uF 20% 50V  1-126-926-11 S ELECT 1000uF 20% 10V  1-126-926-11 S ELECT 1000uF 20% 50V  1-126-947-11 S ELECT 1000uF 20% 50V  1-126-947-11 S ELECT 1000uF 20% 50V  1-163-251-11 S CERAMIC, CHIP 100PF 5% 50V	D1 8-719-941-23 s DIODE DA204U D2 8-719-941-23 s DIODE DA204U D3 8-719-941-23 s DIODE DA204U D5 8-719-941-23 s DIODE DA204U D6 8-719-123-85 s DIODE ISS304	D1 D2 D3 D5
C261 C262 C263 C264 C265	1-126-926-11 s ELECT 1000uF 20% 10V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-126-926-11 s ELECT 1000uF 20% 10V 1-126-947-11 s ELECT 47uF 20% 35V 1-124-903-11 s ELECT 1uF 20% 50V	D7 8-719-941-23 s DIODE DA204U D8 8-719-123-85 s DIODE 1SS304 D10 8-719-123-85 s DIODE 1SS304 D11 8-719-123-85 s DIODE 1SS304 D12 8-719-123-85 s DIODE 1SS304	D7 D8 D10 D11
C266 C267 C268 C269 C270	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-124-925-11 s ELECT 2.2uF 20% 100V	D13 8-719-123-85 s DIODE 1SS304 D15 8-719-123-85 s DIODE 1SS304 D16 8-719-123-85 s DIODE 1SS304 D17 8-719-941-23 s DIODE DA204U D18 8-719-911-19 s DIODE 1SS119	D13 D15 D16 D17
C271 C278 C279 C280 C281	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-124-925-11 s ELECT 2.2uF 20% 100V  1-131-352-00 s TANTALUM 6.8uF 10% 35V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-130-483-00 s MYLAR 0.01uF 5% 50V  1-126-926-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 100uF 20% 10V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-939-11 s CERAMIC, CHIP 0.022uF 50V	D201 8-719-941-23 s DIODE DA204U D202 8-719-941-23 s DIODE DA204U D203 8-719-941-23 s DIODE DA204U D204 8-719-941-23 s DIODE DA204U D205 8-719-123-85 s DIODE DA204U	D201 D202 D203 D204
C282 C283 C401 C402 C403	1-126-926-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 1000uF 20% 10V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V	D206 8-719-941-23 s DIODE DA204U D207 8-719-123-85 s DIODE 1SS304 D209 8-719-123-85 s DIODE 1SS304 D210 8-719-941-23 s DIODE DA204U D211 8-719-911-19 s DIODE 1SS119	D206 D207 D209 D210
C404 C405 C406 C408 C409	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-126-964-11 s ELECT 10uF 20% 50V 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	D401 8-719-941-23 s DIODE DA204U D403 8-719-941-23 s DIODE DA204U D500 8-719-106-88 s DIODE RD15M-B1	D401 D403
C410 C411 C412 C413 C414	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V	IC1 8-759-701-25 s IC NJM2068D-D IC2 8-759-701-25 s IC NJM2068D-D IC3 8-759-701-25 s IC NJM2068D-D IC4 8-759-701-25 s IC NJM2068D-D IC5 8-759-705-58 s IC NJM2558D-D	IC2 IC3 IC4
C415 C416 C417 C418 C419	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-964-11 s ELECT 10uF 20% 50V	IC6 8-759-705-58 s IC NJM4558D-D IC7 8-759-705-58 s IC NJM4558D-D IC8 8-752-018-80 s IC CX20188 IC9 8-759-705-58 s IC NJM4558D-D IC10 8-759-705-58 s IC NJM4558D-D	IC7 IC8 IC9
C420 C421 C422 C423	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V	IC11 8-759-145-57 s IC UPC4557C IC12 8-759-917-18 s IC SN74HCU04AN IC13 8-759-917-18 s IC SN74HCU04AN IC14 8-759-145-57 s IC UPC4557C IC15 8-759-705-58 s IC NJM4558D-D	IC12 IC13 IC14

R34

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Q28

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Q35

Q36 Q201 8-729-804-09 s TRANSISTOR 2SA1319-T

8-729-804-09 s TRANSISTOR 2SA1319-T

8-729-140-93 s TRANSISTOR 2SB733-34

8-729-905-18 s TRANSISTOR DTC144EU

8-729-905-12 s TRANSISTOR DTA144EU

8-729-209-06 s TRANSISTOR 2SC4213-A

8-729-422-44 s TRANSISTOR 2SK663

1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W

1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W

1-215-473-00 s METAL 150K 1% 1/6W

1-215-471-00 s METAL 120K 1% 1/6W

1-215-479-00 s METAL 270K 1% 1/6W

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(AP-31 BOARD(UVW-1800))	(AP-31 BOARD(UVW-1800))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R40 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R41 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R42 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W R43 1-215-469-00 s METAL 100K 1% 1/6W R44 1-215-473-00 s METAL 150K 1% 1/6W	R100 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R101 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R102 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R103 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R104 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R45 1-215-455-00 s METAL 27K 1% 1/6W R46 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R47 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R48 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R49 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W	R105 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R106 1-216-069-00 s METAL, CHIP 10K 5% 1/10W R107 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R108 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R109 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R50 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R51 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R52 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R53 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R54 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R110 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W R111 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R112 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R113 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R114 1-216-033-00 s METAL, CHIP 220 5% 1/10W
R56 1-216-009-00 s METAL, CHIP 22 5% 1/10W R57 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R58 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R59 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W R60 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W	R115 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R116 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R117 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R118 1-247-807-31 s CARBON 100 5% 1/4W R119 \(\Delta\) 1-216-399-00 s WIREWOUND 6.8 10% 3W
R61 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R62 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W R63 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W R64 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R65 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W	R120
R66 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R67 1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W R68 1-215-493-00 s METAL 1M 1% 1/6W R69 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W R70 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R125 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R126 1-216-075-00 s METAL, CHIP 12K 5% 1/10W R127 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R128 1-216-025-91 s METAL, CHIP 100 5% 1/10W R129 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R71 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R72 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R73 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R74 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R75 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R130 1-216-033-00 s METAL, CHIP 220 5% 1/10W R131 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R132 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R133 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R134 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W
R76 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R77 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W R78 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R79 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R80 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R135 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R136 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R137 1-216-025-91 s METAL, CHIP 100 5% 1/10W R138 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R139 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R81 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R82 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R83 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R84 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R85 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W	R140 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R141 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W R142 1-216-025-91 s METAL, CHIP 100 5% 1/10W R143 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R144 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R86 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R87 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R88 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R89 1-216-045-00 s METAL, CHIP 680 5% 1/10W R90 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W	R145-154 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R155 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R156 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R157 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R158 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R91 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R92 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W R93 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R94 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R95 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R159 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R160 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R161 1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W R162 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R163 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W
R96 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R97 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R98 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R99 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R164 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W R165 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W R167 1-216-295-91 s RES, CHIP 0 R168 1-216-073-00 s METAL, CHIP 10K 5% 1/10W

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R169 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R170 1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W R171 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R172 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R173 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W	R247 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R248 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R249 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W R250 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R251 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R174 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W R175 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R176 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R177 1-216-025-91 s METAL, CHIP 100 5% 1/10W R178 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R252 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R253 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R254 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R255 1-216-009-00 s METAL, CHIP 22 5% 1/10W R256 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
R179 1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W R180 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R181 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R182 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R183 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R257
R184 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R186 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R187 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R188 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R189 1-216-295-91 s RES, CHIP 0	R262 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W R263 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R264 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W R265 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R266 1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W
R190 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R201 1-216-603-11 s METAL, CHIP 10 0.5% 1/10W R202 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R203 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W R204 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W	R267
R205 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R207 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R208 1-216-105-91 s METAL, CHIP 220k 5% 1/10W R209 1-216-626-11 s METAL, CHIP 91 0.5% 1/10W R210 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R272 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R273 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R274 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R275 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R276 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R211 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R212 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R213 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R214 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R216 1-216-009-00 s METAL, CHIP 22 5% 1/10W	R277 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R278 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R279 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W R280 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R281 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R217 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R219-223 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R224 1-216-049-91 s METAL, CHIP 10K 5% 1/10W R225 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R226 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R282 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R283 1-216-045-00 s METAL, CHIP 680 5% 1/10W R284 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W R285 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R286 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W
R227 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R228 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R230 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R231 1-216-041-00 s METAL, CHIP 470 5% 1/10W R232 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W	R287 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R288 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R289 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R290 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R291 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R233 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R234 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R235 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R236 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R237 1-215-473-00 s METAL 150K 1% 1/6W	R292 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R293 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R294 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R295 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R296 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R238 1-215-471-00 s METAL 120K 1% 1/6W R239 1-215-479-00 s METAL 270K 1% 1/6W R240 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R241 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R242 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W	R297 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R298 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R299 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R300 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R301 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R243 1-215-479-00 s METAL 270K 1% 1/6W R244 1-215-460-00 s METAL 43K 1% 1/6W R245 1-215-453-00 s METAL 22K 1% 1/6W R246 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W	R302 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R303 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R304 1-216-663-11 s METAL, CHIP 910 0.5% 1/10W R305 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R306 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R307 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R308 1-216-033-00 s METAL, CHIP 220 5% 1/10W R309 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R310 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W	R417 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R418 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R419 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R420 1-216-113-00 s METAL, CHIP 470K 5% 1/10W R421 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R311 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R312 1-247-807-31 s CARBON 100 5% 1/4W R313 Δ 1-216-399-00 s WIREWOUND 6.8 10% 3W R314 Δ 1-216-399-00 s WIREWOUND 6.8 10% 3W R315 1-247-807-31 s CARBON 100 5% 1/4W	R422 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R424 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R425 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R426 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R426
R316 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R317 1-249-389-11 s CARBON 4.7 5% 1/4W R318 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R319 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R320 1-216-075-00 s METAL, CHIP 12K 5% 1/10W	R427 1-216-025-91 s METAL, CHIP 100 5% 1/10W R428 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R500 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W R501 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W R502 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R321 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R322 1-216-025-91 s METAL, CHIP 100 5% 1/10W R323 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R324 1-216-033-00 s METAL, CHIP 220 5% 1/10W	R600 1-216-025-91 s METAL, CHIP 100 5% 1/10W R601 1-216-025-91 s METAL, CHIP 100 5% 1/10W R602 1-247-855-11 s CARBON 10K 5% 1/4W
R325 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W  R326 1-216-081-00 s METAL, CHIP 22K 5% 1/10W  R327 1-216-095-00 s METAL, CHIP 82K 5% 1/10W  R328 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W  R329 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	RV1 1-241-789-11 s RES, ADJ METAL 220k RV2 1-241-784-11 s RES, ADJ METAL 4.7k RV3 1-241-783-11 s RES, ADJ METAL 2.2k RV4 1-241-785-11 s RES, ADJ METAL 10k RV5 1-241-786-11 s RES, ADJ METAL 22k
R330 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W  R331 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R332 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R333 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R334 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	RV201 1-241-789-11 s RES, ADJ METAL 220k RV202 1-241-784-11 s RES, ADJ METAL 4.7k RV203 1-241-783-11 s RES, ADJ METAL 2.2k RV204 1-241-785-11 s RES, ADJ METAL 10k RV205 1-241-786-11 s RES, ADJ METAL 22k
R335 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W  R336 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R337 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R338 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R339 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R341 1-216-095-00 s METAL, CHIP 82K 5% 1/10W	\$1
R342 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R344 1-216-295-91 s RES, CHIP 0 R345 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R346 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R347 1-216-085-00 s METAL, CHIP 33K 5% 1/10W	
R350 1-216-295-91 s RES, CHIP 0 R351 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R387 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R400 1-216-603-11 s METAL, CHIP 10 0.5% 1/10W R402 1-216-295-91 s RES, CHIP 0	
R403 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R404 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R405 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R406 1-216-033-00 s METAL, CHIP 220 5% 1/10W R407 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	
R408 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R409 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R410 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R411 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R412 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	
R413 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R414 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R415 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R416 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	

	(AI = 311 DOARD (0 / II = 1800I / )
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
AP-31P board is used for UVW-1800P(EK).  1pc	C58
1pc 3-182-385-02 o PLATE, SHIELD (S), CARD 1pc 7-621-759-45 s SCREW, +PSW2.6x6 1pc 3-182-298-01 o CASE, SHIELD (LID), AP (2) 1pc 3-182-351-01 o CASE, SHIELD, AP (2B)	C63
C2	C68
C8	C73
C13	C78
C18	C83
C28	C203 1-163-243-11 s CERAMIC, CHIP 470F 5% 50V C204 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C205 1-126-964-11 s ELECT 10uF 20% 50V C207 1-130-485-00 s MYLAR 0.015uF 5% 50V C208 1-126-933-11 s ELECT 100uF 20% 16V
C33	C209 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C210 1-126-964-11 s ELECT 10uF 20% 50V C211 1-128-551-11 s ELECT 22uF 20% 50V C212 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V C213 1-130-481-00 s MYLAR 0.0068uF 5% 50V
C38	C214 1-164-182-11 s CERAMIC, CHIP 3300PF 10% 100V C215 1-126-964-11 s ELECT 10uF 20% 50V C216 1-128-551-11 s ELECT 22uF 20% 50V C217 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C218 1-128-551-11 s ELECT 22uF 20% 50V
C43	C219 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C220 1-130-498-00 s MYLAR 0.18uF 5% 50V C221-226 1-130-487-00 s MYLAR 0.022uF 5% 50V C227 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C228 1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V
C48	C229 1-130-483-00 s MYLAR 0.01uF 5% 50V C230 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C231 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C232 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C233 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C53	C234 1-130-483-00 s MYLAR 0.01uF 5% 50V C235 1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V C236 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C237 1-124-925-11 s ELECT 2.2uF 20% 100V

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C238 C239 C240 C241 C242	1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V 1-107-499-11 s FILM, CHIP 0.0039uF 2% 16V 1-131-345-00 s TANTALUM 0.47uF 10% 35V 1-130-497-00 s MYLAR 0.15uF 5% 50V		1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V
C243 C244 C245 C246 C247	1-124-925-11 s ELECT 2.2uF 20% 100V 1-104-553-11 s FILM, CHIP 0.015uF 5% 16V 1-130-499-00 s MYLAR 0.22uF 5% 50V 1-164-344-11 s CERAMIC, CHIP 0.068uF 10% 25V 1-104-560-11 s FILM, CHIP 0.056uF 5% 16V	C426 C427 C428 C429 C430	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V 1-161-021-11 s CERAMIC 0.047uF 10% 25V 1-161-021-11 s CERAMIC 0.047uF 10% 25V
C248 C249 C250 C251 C252	1-124-925-11 s ELECT 2. 2uF 20% 100V 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V 1-104-551-11 s FILM, CHIP 0.01uF 5% 16V 1-130-478-00 s MYLAR 0.0039uF 5% 50V 1-130-478-00 s MYLAR 0.0039uF 5% 50V 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-235-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 1000uF 20% 10V	C500 C501 C600 C601	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V
C253 C254 C255 C256	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	CN1 CN2 CN3 CN111	1-506-468-11 s CONNECTOR 3P, MALE 1-564-002-41 s CONNECTOR 3P, MALE 1-564-002-11 s CONNECTOR 3P, MALE 1-573-600-21 s CONNECTOR, PHEC 100P, MALE
C257 C258 C259 C260 C261	1-126-964-11 s ELECT 10uF 20% 50V  1-126-964-11 s ELECT 10uF 20% 50V  1-126-926-11 s ELECT 1000uF 20% 10V  1-126-926-11 s ELECT 1000uF 20% 10V	D1 D2 D3 D5 D6	8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-123-85 s DIODE 1SS304
C262 C263 C264 C265	1-126-926-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 1000uF 20% 10V 1-126-947-11 s ELECT 47uF 20% 35V 1-124-903-11 s ELECT 1uF 20% 50V	D7 D8 D10 D11 D12	8-719-941-23 s DIODE DA204U 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304
C266 C267 C268 C269 C270	1-126-964-11 S ELECT 100F 20% 50V 1-126-926-11 S ELECT 1000uF 20% 10V 1-126-926-11 S ELECT 1000uF 20% 10V 1-126-926-11 S ELECT 1000uF 20% 10V 1-164-004-11 S ELECT 1000uF 20% 10V 1-126-926-11 S ELECT 1000uF 20% 10V 1-126-947-11 S ELECT 47uF 20% 35V 1-124-903-11 S ELECT 1uF 20% 50V 1-163-251-11 S CERAMIC, CHIP 100PF 5% 50V 1-126-947-11 S ELECT 47uF 20% 35V 1-126-947-11 S ELECT 47uF 20% 35V 1-163-235-11 S CERAMIC, CHIP 22PF 5% 50V 1-163-809-11 S CERAMIC, CHIP 0.047uF 10% 25V 1-124-925-11 S ELECT 2.2uF 20% 100V 1-131-352-00 S TANTALUM 6.8uF 10% 35V	D13 D15 D16 D17 D18	8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-941-23 s DIODE DA204U 8-719-911-19 s DIODE 1SS119
C278 C279 C280 C281	1-131-352-00 s TANTALUM 6.8uF 10% 35V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-130-483-00 s MYLAR 0.01uF 5% 50V 1-126-926-11 s ELECT 1000uF 20% 10V	D201 D202 D203 D204 D205	8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-123-85 s DIODE 1SS304
C282 C283 C401 C402 C403	1-126-926-11 s ELECT 1000uF 20% 10V 1-126-926-11 s ELECT 1000uF 20% 10V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V	D206 D207 D209 D210 D211	8-719-941-23 s DIODE DA204U 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-941-23 s DIODE DA204U 8-719-911-19 s DIODE 1SS119
C404 C405 C406 C408	1-164-004-11 s CERAMIC, CHIP 0. 1uF 10% 25V 1-164-232-11 s CERAMIC, CHIP 0. 01uF 10% 100V 1-164-232-11 s CERAMIC, CHIP 0. 01uF 10% 100V 1-126-964-11 s ELECT 10uF 20% 50V	D401 D403 D500	8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-106-88 s DIODE RD15M-B1
C409 C410 C411	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V 1-126-964-11 s ELECT 10uF 20% 50V	IC1 IC2 IC3 IC4 IC5	8-759-701-25 s IC NJM2068D-D 8-759-701-25 s IC NJM2068D-D 8-759-701-25 s IC NJM2068D-D 8-759-701-25 s IC NJM2068D-D 8-759-705-58 s IC NJM4558D-D
C412 C413 C414 C415 C416	1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC6 IC7 IC8 IC9	8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-752-018-80 s IC CX20188 8-759-705-58 s IC NJM4558D-D
C417 C418 C419 C420	1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-964-11 s ELECT 10uF 20% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC10 IC11 IC12	8-759-705-58 s IC NJM4558D-D 8-759-145-57 s IC UPC4557C 8-759-917-18 s IC SN74HCU04AN

Ref. No. or Q'ty	Part No. SP Description		Ref. No. or Q'ty	Part No. SP Description
IC13 IC14 IC15 IC201 IC202	8-759-917-18 s IC SN74HCU04AN 8-759-145-57 s IC UPC4557C 8-759-705-58 s IC NJM4558D-D 8-759-701-25 s IC NJM2068D-D 8-759-701-25 s IC NJM2068D-D		Q35 Q36 Q201 Q202 Q203	8-729-905-12 s TRANSISTOR DTA144EU 8-729-422-44 s TRANSISTOR 2SK663 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-803-89 s TRANSISTOR 2SC3332-T 8-729-803-89 s TRANSISTOR 2SC3332-T
IC203 IC204 IC205 IC206 IC207	8-759-701-25 s IC NJM2068D-D 8-759-701-25 s IC NJM2068D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D		Q204 Q205 Q206 Q207 Q208	8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-140-63 s TRANSISTOR 2SA1611-M5M6
IC208 IC209 IC210 IC211 IC401	8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-145-57 s IC UPC4557C 8-759-705-58 s IC NJM4558D-D 8-759-701-25 s IC NJM2068D-D		Q209 Q210 Q211 Q212 Q213	8-729-109-44 s TRANSISTOR 2SK94 8-729-203-30 s TRANSISTOR 2SJ106Y 8-729-422-44 s TRANSISTOR 2SK663 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A
IC402 IC405 IC406 IC407 IC408	8-759-729-03 s IC NJM2903D 8-759-172-41 s IC L78M09T-TL 8-759-173-37 s IC L79M09T-TL 8-759-635-83 s IC M51957BFP 8-759-172-41 s IC L78M09T-TL		Q214 Q215 Q216 Q217 Q218	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-422-44 s TRANSISTOR 2SK663 8-729-423-93 s TRANSISTOR 2SD2136-R(TA) 8-729-022-00 s TRANSISTOR 2SB1416-R(TA) 8-729-021-98 s TRANSISTOR 2SJ226-AZ
IC409 IC410	8-759-173-37 s IC L79M09T-TL 8-759-701-25 s IC NJM2068D-D		Q219 Q220 Q221	8-729-021-98 s TRANSISTOR 2SJ226-AZ 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177
L2 L202 L401	1-408-617-31 s INDUCTOR 150uH 1-408-617-31 s INDUCTOR 150uH 1-410-470-11 s INDUCTOR 10uH		Q223 Q224	8-729-140-93 s TRANSISTOR 2SB733-34 8-729-905-18 s TRANSISTOR DTC144EU
	1-410-470-11 s INDUCTOR 10uH \( \text{1-532-727-11 s LINK, IC 0.25A} \) \( \text{1-532-727-11 s LINK, IC 0.25A} \)	gM	Q225 Q226 Q401 Q402 Q403	8-729-905-12 s TRANSISTOR DTA144EU 8-729-422-44 s TRANSISTOR 2SK663 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A
Q1 Q2 Q3 Q4 Q5	8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-803-89 s TRANSISTOR 2SC3332-T 8-729-803-89 s TRANSISTOR 2SC3332-T 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A	<b>~</b>	R1 R2 R3 R4 R5	1-216-603-11 s METAL, CHIP 10 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Q6 Q7 Q8 Q9 Q10	8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-109-44 s TRANSISTOR 2SK94 8-729-203-30 s TRANSISTOR 2SJ106Y		R7 R8 R9 R10 R11	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-105-91 s METAL, CHIP 220k 5% 1/10W 1-216-626-11 s METAL, CHIP 91 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q11 Q12 Q13 Q14 Q15	8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-12 s TRANSISTOR DTA144EU 8-729-422-44 s TRANSISTOR 2SK663 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A		R12 R13 R14 R15 R16	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W
Q16 Q17 Q18 Q19 Q20	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-422-44 s TRANSISTOR 2SK663 8-729-423-93 s TRANSISTOR 2SD2136-R(TA) 8-729-022-00 s TRANSISTOR 2SB1416-R(TA) 8-729-021-98 s TRANSISTOR 2SJ226-AZ		R17 R19-R23 R20 R21 R22	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q21 Q22 Q23 Q25 Q26	8-729-021-98 s TRANSISTOR 2SJ226-AZ 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-93 s TRANSISTOR 2SB733-34 8-729-209-06 s TRANSISTOR 2SC4213-A		R23 R24 R25 R26 R27	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W
Q27 Q28 Q29 Q30 Q34	8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-804-09 s TRANSISTOR 2SA1319-T 8-729-804-09 s TRANSISTOR 2SA1319-T 8-729-140-93 s TRANSISTOR 2SB733-34 8-729-905-18 s TRANSISTOR DTC144EU		R28 R30 R31 R32	1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W

(in oil bollin (oil 10001))	(III OII BOILD (OTH 100017)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R33 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R34 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R35 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R36 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R37 1-215-479-00 s METAL 270K 1% 1/6W	R94 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R95 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R96 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R97 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R98 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R38 1-215-471-00 s METAL 120K 1% 1/6W R39 1-215-479-00 s METAL 270K 1% 1/6W R40 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R41 1-208-824-11 s METAL, CHIP 56k 0.5% 1/10W R42 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W	R99 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R100 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R101 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R102 1-216-121-91 s METAL, CHIP 10K 5% 1/10W R103 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R44 1-215-493-00 s METAL 1M 1% 1/6W R45 1-215-453-00 s METAL 22K 1% 1/6W R46 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R47 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R48 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R104
R49 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W R50 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R51 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R52 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R53 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R109
R54 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R56 1-216-009-00 s METAL, CHIP 22 5% 1/10W R57 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R58 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R59 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W	R114 1-216-033-00 s METAL, CHIP 220 5% 1/10W R115 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R116 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R117 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R118 1-247-807-31 s CARBON 100 5% 1/4W
R60 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R61 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R62 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W R63 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W R64 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R119
R65 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W R66 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R67 1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W R68 1-215-493-00 s METAL 1M 1% 1/6W R69 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W	R124 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R125 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R126 1-216-075-00 s METAL, CHIP 12K 5% 1/10W R127 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R128 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R70 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R71 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R72 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R73 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R74 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R129 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R130 1-216-033-00 s METAL, CHIP 220 5% 1/10W R131 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R132 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R133 1-216-095-00 s METAL, CHIP 82K 5% 1/10W
R75 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R76 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R77 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W R78 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R79 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R134
R80 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R81 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R82 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R83 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R84 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W	R139
R85 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W R86 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R87 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R88 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R89 1-216-045-00 s METAL, CHIP 680 5% 1/10W	R144 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R145 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R146 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R147 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R148 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R90 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W R91 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R92 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W R93 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R149 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R150 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R151 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R152 1-216-097-91 s METAL, CHIP 100k 5% 1/10W

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Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R153	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R226	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R154	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R227	1-216-085-00 s METAL, CHIP 33K 5% 1/10W
R155	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R228	1-216-085-00 s METAL, CHIP 33K 5% 1/10W
R156	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R230	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R157	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R231	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R158	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R232	1-216-642-11 s METAL, CHIP 430 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R159	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R233	
R160	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R234	
R161	1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R235	
R162	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R236	
R163	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R237	1-215-484-00 s METAL 430K 1% 1/6W
R164		R238	1-215-471-00 s METAL 120K 1% 1/6W
R165		R239	1-215-484-00 s METAL 430K 1% 1/6W
R167		R240	1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W
R168		R241	1-208-824-11 s METAL, CHIP 56k 0.5% 1/10W
R169	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R242	1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W 1-215-461-00 s METAL 47K 1% 1/6W 1-215-466-00 s METAL 75K 1% 1/6W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R170	1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R244	
R171	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R245	
R172	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	R246	
R173	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W	R247	
R174	1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W	R248	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R175	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R249	1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W
R176	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R250	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R177	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R251	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R178	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R252	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R179	1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R253	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R180		R254	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R181		R255	1-216-009-00 s METAL, CHIP 22 5% 1/10W
R182		R256	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
R183		R257	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W
R184	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R258	1-216-622-11 s METAL, CHIP 62 0.5% 1/10W 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W
R186	1-216-095-00 s METAL, CHIP 82K 5% 1/10W	R259	
R187	1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W	R260	
R188	1-216-085-00 s METAL, CHIP 33K 5% 1/10W	R261	
R189	1-216-295-91 s RES, CHIP 0	R262	
R190	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R263	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W 1-215-493-00 s METAL 1M 1% 1/6W
R201	1-216-603-11 s METAL, CHIP 10 0.5% 1/10W	R264	
R202	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R265	
R203	1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W	R266	
R204	1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W	R267	
R205 R207 R208 R209 R210	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-105-91 s METAL, CHIP 220k 5% 1/10W 1-216-626-11 s METAL, CHIP 91 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W	R268 R269 R270 R271 R272	1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R211	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R273	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W
R212	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R274	
R213	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R275	
R214	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R276	
R215	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R277	
R216	1-216-009-00 s METAL, CHIP 22 5% 1/10W	R278	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W
R217	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R279	
R219	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R280	
R220	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R281	
R221	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R282	
R222	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R283	1-216-045-00 s METAL, CHIP 680 5% 1/10W
R223	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R284	1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W
R224	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R285	1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W
R225	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R286	1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R287 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R288 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R289 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R290 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R291 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R350
R292 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R293 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R294 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R295 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R296 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R403 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R404 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R405 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R406 1-216-033-00 s METAL, CHIP 220 5% 1/10W R407 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R297 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R298 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R299 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R300 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R301 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R408 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R409 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R410 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R411 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R412 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R302 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R303 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R304 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W R305 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R306 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R413 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R414 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R415 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R416 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R417 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R307 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R308 1-216-033-00 s METAL, CHIP 220 5% 1/10W R309 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R310 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R311 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W	R418 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R419 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R420 1-216-113-00 s METAL, CHIP 470K 5% 1/10W R421 1-216-025-91 s METAL, CHIP 100 5% 1/10W R422 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W
R312	R423 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R424 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R425 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R426 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R427 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R317 1-249-389-11 s CARBON 4.7 5% 1/4W R318 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R319 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R320 1-216-075-00 s METAL, CHIP 12K 5% 1/10W R321 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R428 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R500 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W R501 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W R502 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R600 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R322 1-216-025-91 s METAL, CHIP 100 5% 1/10W R323 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R324 1-216-033-00 s METAL, CHIP 220 5% 1/10W R325 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R326 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R601 1-216-025-91 s METAL, CHIP 100 5% 1/10W R602 1-247-855-11 s CARBON 10K 5% 1/4W RV1 1-241-789-11 s RES, ADJ METAL 220k RV2 1-241-783-11 s RES, ADJ METAL 2.2k RV3 1-241-783-11 s RES, ADJ METAL 2.2k
R327 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R328 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W R329 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R330 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R331 1-216-025-91 s METAL, CHIP 100 5% 1/10W	RV4 1-241-785-11 s RES, ADJ METAL 10k RV5 1-241-786-11 s RES, ADJ METAL 22k RV201 1-241-789-11 s RES, ADJ METAL 220k RV202 1-241-783-11 s RES, ADJ METAL 2.2k RV203 1-241-783-11 s RES, ADJ METAL 2.2k
R332 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R333 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R334 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R335 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W R336 1-216-025-91 s METAL, CHIP 100 5% 1/10W	RV204 1-241-785-11 s RES, ADJ METAL 10k RV205 1-241-786-11 s RES, ADJ METAL 22k S1 1-570-602-11 s SWITCH, DIP 2-CKT S2 1-570-602-11 s SWITCH, DIP 2-CKT
R337 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R338 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R339 1-216-025-91 s METAL, CHIP 100 5% 1/10W R341 1-216-095-00 s METAL, CHIP 82K 5% 1/10W	S201 1-570-602-11 s SWITCH, DIP 2-CKT S202 1-570-602-11 s SWITCH, DIP 2-CKT TH1 1-807-972-11 s THERMISTOR SV-1715 1.25k TH2 1-807-972-11 s THERMISTOR SV-1715 1.25k
R342 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R344 1-216-295-91 s RES, CHIP 0 R345 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R346 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R347 1-216-085-00 s METAL, CHIP 33K 5% 1/10W	

#### (AP-31A BOARD(UVW-1600))

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
AP-31A board is used for UVW-1600(J,UC).  1pc	C67
1pc 3-182-385-02 o PLATE, SHIELD (S), CARD 1pc 3-655-862-00 o SPACER, INSULATING  1pc 7-621-759-45 s SCREW, +PSW2.6x6 1pc 3-182-298-01 o CASE, SHIELD (LID), AP (2) 1pc 3-182-351-01 o CASE, SHIELD, AP (2B)	C72
	C81
C9	C202 1-163-131-00 s CERAMIC, CHIP 390PF 5% 50V C203 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C204 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V C207 1-130-485-00 s MYLAR 0.015uF 5% 50V C208 1-126-933-11 s ELECT 100uF 20% 16V
C20 1-130-498-00 s MYLAR 0.18uF 5% 50V C21-C26 1-130-487-00 s MYLAR 0.022uF 5% 50V C27 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C29 1-130-483-00 s MYLAR 0.01uF 5% 50V C30 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C209 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C210 1-126-964-11 s ELECT 10uF 20% 50V C215 1-126-964-11 s ELECT 10uF 20% 50V C216 1-128-551-11 s ELECT 22uF 20% 50V C218 1-128-551-11 s ELECT 22uF 20% 50V
C31 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C32 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C220 1-130-498-00 s MYLAR 0.18uF 5% 50V C221-226 1-130-487-00 s MYLAR 0.022uF 5% 50V C227 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C229 1-130-483-00 s MYLAR 0.01uF 5% 50V C230 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C36	C231 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C232 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C233 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C234 1-130-483-00 s MYLAR 0.01uF 5% 50V C235 1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V
C41 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V C42 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V C43 1-107-499-11 s FILM, CHIP 0.0039uF 2% 16V C44 1-131-345-00 s TANTALUM 0.47uF 10% 35V C45 1-130-497-00 s MYLAR 0.15uF 5% 50V	C236 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C237 1-124-925-11 s ELECT 2.2uF 20% 100V C238 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V C239 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V C240 1-107-499-11 s FILM, CHIP 0.0039uF 2% 16V
C46	C241 1-131-345-00 s TANTALUM 0.47uF 10% 35V C242 1-130-497-00 s MYLAR 0.15uF 5% 50V C243 1-124-925-11 s ELECT 2.2uF 20% 100V C244 1-104-553-11 s FILM, CHIP 0.015uF 5% 16V C245 1-130-499-00 s MYLAR 0.22uF 5% 50V
C51 1-124-925-11 s ELECT 2.2uF 20% 100V C52 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V C53 1-104-551-11 s FILM, CHIP 0.01uF 5% 16V C56 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C57 1-126-947-11 s ELECT 47uF 20% 35V	C246 1-164-344-11 s CERAMIC, CHIP 0.068uF 10% 25V C247 1-104-560-11 s FILM, CHIP 0.056uF 5% 16V C248 1-124-925-11 s ELECT 2.2uF 20% 100V C249 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V C250 1-104-551-11 s FILM, CHIP 0.01uF 5% 16V
C58	C253 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C254 1-126-947-11 s ELECT 47uF 20% 35V C255 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V C256 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C257 1-126-964-11 s ELECT 10uF 20% 50V
C63	C258 1-126-964-11 s ELECT 10uF 20% 50V C259 1-126-926-11 s ELECT 1000uF 20% 10V C260 1-126-926-11 s ELECT 1000uF 20% 10V C261 1-126-926-11 s ELECT 1000uF 20% 10V

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(AP-31A BOARD(UVW-1600))	(AP-31A BOARD(UVW-1600))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
Ref. No. or Q'ty Part No. SP Description  C262	IC3 8-759-701-25 s IC NJM2068D-D IC4 8-759-701-25 s IC NJM2068D-D IC5 8-759-705-58 s IC NJM4558D-D IC6 8-759-705-58 s IC NJM4558D-D IC7 8-759-705-58 s IC NJM4558D-D
C267	IC8 8-752-018-80 s IC CX20188 IC9 8-759-705-58 s IC NJM4558D-D IC10 8-759-705-58 s IC NJM4558D-D IC11 8-759-145-57 s IC UPC4557C IC12 8-759-917-18 s IC SN74HCU04AN
C279	IC13 8-759-917-18 s IC SN74HCU04AN IC14 8-759-145-57 s IC UPC4557C IC15 8-759-705-58 s IC NJM4558D-D IC201 8-759-701-25 s IC NJM2068D-D IC202 8-759-701-25 s IC NJM2068D-D
C402 1-126-933-11 s ELECT 100uF 20% 16V C403 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V C408 1-126-964-11 s ELECT 10uF 20% 50V C409 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C410 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	IC203 8-759-701-25 s IC NJM2068D-D IC204 8-759-701-25 s IC NJM2068D-D IC205 8-759-705-58 s IC NJM4558D-D IC206 8-759-705-58 s IC NJM4558D-D IC207 8-759-705-58 s IC NJM4558D-D
C411 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V C412 1-126-964-11 s ELECT 10uF 20% 50V C413 1-126-964-11 s ELECT 10uF 20% 50V C414 1-126-964-11 s ELECT 10uF 20% 50V C415 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC208 8-759-705-58 s IC NJM4558D-D IC209 8-759-705-58 s IC NJM4558D-D IC210 8-759-145-57 s IC UPC4557C IC211 8-759-705-58 s IC NJM4558D-D IC401 8-759-701-25 s IC NJM2068D-D
C416 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C417 1-126-933-11 s ELECT 100uF 20% 16V C418 1-126-933-11 s ELECT 100uF 20% 16V C419 1-126-964-11 s ELECT 10uF 20% 50V C420 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC402 8-759-729-03 s IC NJM2903D IC405 8-759-172-41 s IC L78M09T-TL IC406 8-759-173-37 s IC L79M09T-TL IC407 8-759-635-83 s IC M51957BFP IC408 8-759-172-41 s IC L78M09T-TL
C421 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C422 1-126-933-11 s ELECT 100uF 20% 16V C423 1-126-933-11 s ELECT 100uF 20% 16V C424 1-126-933-11 s ELECT 100uF 20% 16V C425 1-126-933-11 s ELECT 100uF 20% 16V	IC409 8-759-173-37 s IC L79M09T-TL IC410 8-759-701-25 s IC NJM2068D-D  L2 1-408-617-31 s INDUCTOR 150uH L202 1-408-617-31 s INDUCTOR 150uH
C426 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C427 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C428 1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V C500 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C501 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	L401 1-410-470-11 s INDUCTOR 10uH L402 1-410-470-11 s INDUCTOR 10uH
CN1 1-506-468-11 s CONNECTOR 3P, MALE CN2 1-564-002-41 s CONNECTOR 3P, MALE CN3 1-564-002-11 s CONNECTOR 3P, MALE CN111 1-573-600-21 s CONNECTOR, PHEC 100P, MALE	Q5       8-729-209-06 s       TRANSISTOR 2SC4213-A         Q6       8-729-209-06 s       TRANSISTOR 2SC4213-A         Q7       8-729-209-06 s       TRANSISTOR 2SC4213-A         Q9       8-729-109-44 s       TRANSISTOR 2SK94         Q11       8-729-905-18 s       TRANSISTOR DTC144EU
D1       8-719-941-23 s       S DIODE DA204U         D7       8-719-941-23 s       DIODE DA204U         D8       8-719-123-85 s       DIODE 1SS304         D10       8-719-123-85 s       DIODE 1SS304         D11       8-719-123-85 s       DIODE 1SS304	Q12 8-729-905-12 s TRANSISTOR DTA144EU Q13 8-729-422-44 s TRANSISTOR 2SK663 Q18 8-729-423-93 s TRANSISTOR 2SD2136-R(TA) Q19 8-729-022-00 s TRANSISTOR 2SB1416-R(TA) Q20 8-729-021-98 s TRANSISTOR 2SJ226-AZ
D201       8-719-941-23 s       DIODE DA204U         D206       8-719-941-23 s       DIODE DA204U         D207       8-719-123-85 s       DIODE 1SS304         D209       8-719-123-85 s       DIODE 1SS304         D401       8-719-941-23 s       DIODE DA204U	Q21 8-729-021-98 s TRANSISTOR 2SJ226-AZ Q22 8-729-117-32 s TRANSISTOR 2SC4177 Q23 8-729-117-32 s TRANSISTOR 2SC4177 Q25 8-729-140-93 s TRANSISTOR 2SB733-34 Q30 8-729-140-93 s TRANSISTOR 2SB733-34
D403 8-719-941-23 s DIODE DA204U D500 8-719-106-88 s DIODE RD15M-B1	Q205 8-729-209-06 s TRANSISTOR 2SC4213-A Q206 8-729-209-06 s TRANSISTOR 2SC4213-A
IC1 8-759-701-25 s IC NJM2068D-D IC2 8-759-701-25 s IC NJM2068D-D	Q207 8-729-209-06 s TRANSISTOR 2SC4213-A Q209 8-729-109-44 s TRANSISTOR 2SK94 Q211 8-729-422-44 s TRANSISTOR 2SK663

#### (AP-31A BOARD(UVW-1600))

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
Q216 8-729-423-93 s TRANSISTOR 2SD2136-R(TA) Q217 8-729-022-00 s TRANSISTOR 2SB1416-R(TA) Q218 8-729-021-98 s TRANSISTOR 2SJ226-AZ Q219 8-729-021-98 s TRANSISTOR 2SJ226-AZ Q220 8-729-117-32 s TRANSISTOR 2SC4177	R71 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
Q221 8-729-117-32 s TRANSISTOR 2SC4177 Q223 8-729-140-93 s TRANSISTOR 2SB733-34 Q403 8-729-209-06 s TRANSISTOR 2SC4213-A	R76 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R77 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W R78 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R79 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R1 1-216-603-11 s METAL, CHIP 10 0.5% 1/10W R5 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R8 1-216-105-91 s METAL, CHIP 220k 5% 1/10W R9 1-216-626-11 s METAL, CHIP 91 0.5% 1/10W	R80 1-216-049-91 s METAL, CHIP 1k 5% 1/10W  R82 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W  R83 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W
R10 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W  R13 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R84 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R85 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W R86 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R16 1-216-009-00 s METAL, CHIP 22 5% 1/10W R17 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R19 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R20 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R87 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R88 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R89 1-216-045-00 s METAL, CHIP 680 5% 1/10W
R23 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R24 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R25 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R90 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W R91 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R92 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W
R26 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R27 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R93 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R106 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R107 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R28 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R30 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R31 1-216-041-00 s METAL, CHIP 470 5% 1/10W R32 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W R33 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R108 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W  R109 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W  R110 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W  R111 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W  R112 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R34 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R35 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R36 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R37 1-215-473-00 s METAL 150K 1% 1/6W	R113 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R114 1-216-033-00 s METAL, CHIP 220 5% 1/10W R115 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W
R38 1-215-471-00 s METAL 120K 1% 1/6W R39 1-215-479-00 s METAL 270K 1% 1/6W R40 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W	R116 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R117 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R118 1-247-807-31 s CARBON 100 5% 1/4W
R40 1-208-812-11 S METAL, CHIP 10K 0.5% 1/10W R41 1-208-806-11 S METAL, CHIP 10K 0.5% 1/10W R42 1-216-695-11 S METAL, CHIP 68K 0.5% 1/10W R43 1-215-475-00 S METAL 180K 1% 1/6W	R119
R44 1-215-493-00 s METAL 1M 1% 1/6W R45 1-215-455-00 s METAL 27K 1% 1/6W R46 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W	R123 1-249-389-11 s CARBON 4.7 5% 1/4W R124 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R47 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R51 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R56 1-216-009-00 s METAL, CHIP 22 5% 1/10W	R125 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R126 1-216-075-00 s METAL, CHIP 12K 5% 1/10W R127 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R128 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R57 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R58 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R59 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W R60 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W	R129 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R130 1-216-033-00 s METAL, CHIP 220 5% 1/10W R131 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R61 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R62 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W R63 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W	R132 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R133 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R134 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W
R64 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R65 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W R66 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W	R135
R67 1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W R68 1-215-493-00 s METAL 1M 1% 1/6W R69 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W R70 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R139 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R140 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R141 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W R142 1-216-025-91 s METAL, CHIP 100 5% 1/10W

#### (AP-31A BOARD (UVW-1600))

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R143 R144 R145-154 R166 R178	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R264 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W R265 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R266 1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W R267 1-215-493-00 s METAL 1M 1% 1/6W R268 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W
R179 R180 R181 R182 R183	1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R269 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R270 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R271 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R272 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R273 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R184 R186 R187 R189 R190	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-095-00 s METAL, CHIP 82K 5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W 1-216-295-91 s RES, CHIP 0 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R274 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R276 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R277 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R278 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R279 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W
R201 R205 R208 R209 R210	1-216-603-11 s METAL, CHIP 10 0.5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-105-91 s METAL, CHIP 220k 5% 1/10W 1-216-626-11 s METAL, CHIP 91 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R280 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R281 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R282 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R283 1-216-045-00 s METAL, CHIP 680 5% 1/10W R284 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W
R213 R216 R217 R219 R220	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R285 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R286 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W R287 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R300 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R301 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R223 R224 R225 R226 R227	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R302 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R303 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R305 1-216-663-11 s METAL, CHIP 910 0.5% 1/10W R306 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R228 R230 R231 R232 R233	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R307 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R308 1-216-033-00 s METAL, CHIP 220 5% 1/10W R309 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W R311 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R234 R235 R236 R237 R238	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-215-473-00 s METAL 150K 1% 1/6W 1-215-471-00 s METAL 120K 1% 1/6W	R312 1-247-807-31 s CARBON 100 5% 1/4W R313
R239 R240 R241 R242 R243	1-215-479-00 s METAL 270K 1% 1/6W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-215-483-00 s METAL 390K 1% 1/6W	R317 1-249-389-11 s CARBON 4.7 5% 1/4W R318 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R319 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R320 1-216-075-00 s METAL, CHIP 12K 5% 1/10W R321 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R244 R245 R246 R247 R251	1-215-493-00 s METAL 1M 1% 1/6W 1-215-453-00 s METAL 22K 1% 1/6W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R322 1-216-025-91 s METAL, CHIP 100 5% 1/10W R323 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R324 1-216-033-00 s METAL, CHIP 220 5% 1/10W R325 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R326 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R255 R256 R257 R258 R259	1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W	R327 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R328 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W R329 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R330 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R331 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R260 R261 R262 R263	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R332 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R333 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R334 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R335 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W

Ref. No.	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R336	1-216-025-91 s METAL, CHIP 100 5% 1/10W	AP-31AP board is used for UVW-1600P(EK).
R337 R338 R341 R342	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-095-00 s METAL, CHIP 82K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	1pc A-8275-466-A o MOUNTED CIRCUIT BOARD, AP-31AP 1pc 3-179-084-01 s LEVER (R), PC BOARD 1pc 3-179-085-01 s LEVER (L), PC BOARD 1pc 3-182-385-02 o PLATE, SHIELD (S), CARD
R343 R350 R351 R387	1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W	1pc 7-621-759-45 s SCREW, +PSW2.6x6  1pc 3-182-298-01 o CASE, SHIELD (LID), AP (2) 1pc 3-182-351-01 o CASE, SHIELD, AP (2B)
R400 R401 R402 R403 R405	1-216-603-11 s METAL, CHIP 10 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	C2 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C3 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C4 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C7 1-130-485-00 s MYLAR 0.015uF 5% 50V C8 1-126-933-11 s ELECT 100uF 20% 16V
R406 R407 R408 R410 R412 R413	1-216-033-00 s METAL, CHIP 220 5% 1/10W  1-216-121-91 s METAL, CHIP 1M 5% 1/10W  1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W  1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W  1-216-049-91 s METAL, CHIP 1k 5% 1/10W  1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W	C9 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C10 1-126-964-11 s ELECT 10uF 20% 50V C13 1-130-481-00 s MYLAR 0.0068uF 5% 50V C14 1-164-182-11 s CERAMIC, CHIP 3300PF 10% 100V C15 1-126-964-11 s ELECT 10uF 20% 50V
R414 R415 R416 R417 R418	1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	C16
R419 R420 R421 R422 R423	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	C29
R424 R425 R426 R427 R428	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	C34
R500 R501 R502 R602	1-216-633-11 s METAL, CHIP 180 0.5% 1/10W 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-247-855-11 s CARBON 10K 5% 1/4W	C39
RV1 RV2 RV3 RV4 RV5	1-241-789-11 s RES, ADJ METAL 220k 1-241-784-11 s RES, ADJ METAL 4.7k 1-241-783-11 s RES, ADJ METAL 2.2k 1-241-785-11 s RES, ADJ METAL 10k 1-241-786-11 s RES, ADJ METAL 22k	C44 1-131-345-00 s TANTALUM 0.47uF 10% 35V C45 1-130-497-00 s MYLAR 0.15uF 5% 50V C46 1-124-925-11 s ELECT 2.2uF 20% 100V C47 1-104-553-11 s FILM, CHIP 0.015uF 5% 16V C48 1-130-499-00 s MYLAR 0.22uF 5% 50V
RV201 RV202 RV203 RV204 RV205	1-241-789-11 s RES, ADJ METAL 220k 1-241-784-11 s RES, ADJ METAL 4.7k 1-241-783-11 s RES, ADJ METAL 2.2k 1-241-785-11 s RES, ADJ METAL 10k 1-241-786-11 s RES, ADJ METAL 22k	C49 1-164-344-11 s CERAMIC, CHIP 0.068uF 10% 25V C50 1-104-560-11 s FILM, CHIP 0.056uF 5% 16V C51 1-124-925-11 s ELECT 2.2uF 20% 100V C52 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V C53 1-104-551-11 s FILM, CHIP 0.01uF 5% 16V
S1 S2 S201 S202	1-570-602-11 s SWITCH, DIP 2-CKT 1-570-602-11 s SWITCH, DIP 2-CKT 1-570-602-11 s SWITCH, DIP 2-CKT 1-570-602-11 s SWITCH, DIP 2-CKT	C56 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C57 1-126-947-11 s ELECT 47uF 20% 35V C58 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V C59 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C60 1-126-964-11 s ELECT 10uF 20% 50V
TH1 TH2	1-807-972-11 s THERMISTOR SV-1715 1.25k 1-807-972-11 s THERMISTOR SV-1715 1.25k	C61 1-126-964-11 s ELECT 10uF 20% 50V C62 1-126-926-11 s ELECT 1000uF 20% 10V C63 1-126-926-11 s ELECT 1000uF 20% 10V C64 1-126-926-11 s ELECT 1000uF 20% 10V C65 1-164-004-11 s CERAMIC, CHIP 0. 1uF 10% 25V

Ref. No. or Q'ty	Part No. SP Description	Ref. No.	Part No. SP Description
C66	1-126-926-11 s ELECT 1000uF 20% 10V	C259	1-126-926-11 s ELECT 1000uF 20% 10V
C67	1-126-947-11 s ELECT 47uF 20% 35V	C260	1-126-926-11 s ELECT 1000uF 20% 10V
C68	1-124-903-11 s ELECT 1uF 20% 50V	C261	1-126-926-11 s ELECT 1000uF 20% 10V
C69	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C262	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C70	1-126-947-11 s ELECT 47uF 20% 35V	C263	1-126-926-11 s ELECT 1000uF 20% 10V
C71	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C264	1-126-947-11 s ELECT 47uF 20% 35V
C72	1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V	C265	1-124-903-11 s ELECT 1uF 20% 50V
C77	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C266	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C78	1-126-964-11 s ELECT 10uF 20% 50V	C267	1-126-947-11 s ELECT 47uF 20% 35V
C79	1-126-964-11 s ELECT 10uF 20% 50V	C268	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
C80	1-126-964-11 s ELECT 10uF 20% 50V	C269	1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V
C81	1-130-483-00 s MYLAR 0.01uF 5% 50V	C270	1-124-925-11 s ELECT 2.2uF 20% 100V
C82	1-126-926-11 s ELECT 1000uF 20% 10V	C278	1-126-964-11 s ELECT 10uF 20% 50V
C83	1-126-926-11 s ELECT 1000uF 20% 10V	C279	1-126-964-11 s ELECT 10uF 20% 50V
C84	1-124-925-11 s ELECT 2.2uF 20% 100V	C280	1-126-964-11 s ELECT 10uF 20% 50V
C87	1-126-964-11 s ELECT 10uF 20% 50V	C281	1-130-483-00 s MYLAR 0.01uF 5% 50V
C202	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C282	1-126-926-11 s ELECT 1000uF 20% 10V
C203	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C283	1-126-926-11 s ELECT 1000uF 20% 10V
C204	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C402	1-126-933-11 s ELECT 100uF 20% 16V
C207	1-130-485-00 s MYLAR 0.015uF 5% 50V	C403	1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V
C208	1-126-933-11 s ELECT 100uF 20% 16V	C408	1-126-964-11 s ELECT 10uF 20% 50V
C209	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C409	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C210	1-126-964-11 s ELECT 10uF 20% 50V	C410	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C213	1-130-481-00 s MYLAR 0.0068uF 5% 50V	C411	1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V
C214	1-164-182-11 s CERAMIC, CHIP 3300PF 10% 100V	C412	1-126-964-11 s ELECT 10uF 20% 50V
C215	1-126-964-11 s ELECT 10uF 20% 50V	C413	1-126-964-11 s ELECT 10uF 20% 50V
C216	1-128-551-11 s ELECT 22uF 20% 50V	C414	1-126-964-11 s ELECT 10uF 20% 50V
C218	1-128-551-11 s ELECT 22uF 20% 50V	C415	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C220	1-130-498-00 s MYLAR 0.18uF 5% 50V	C416	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C221-226	1-130-487-00 s MYLAR 0.022uF 5% 50V	C417	1-126-933-11 s ELECT 100uF 20% 16V
C227	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C418	1-126-933-11 s ELECT 100uF 20% 16V
C229	1-130-483-00 s MYLAR 0.01uF 5% 50V	C419	1-126-964-11 s ELECT 10uF 20% 50V
C230	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C420	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C231	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C421	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C232	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C422	1-126-933-11 s ELECT 100uF 20% 16V
C233	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C423	1-126-933-11 s ELECT 100uF 20% 16V
C234	1-130-483-00 s MYLAR 0.01uF 5% 50V	C424	1-126-933-11 s ELECT 100uF 20% 16V
C235	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	C425	1-126-933-11 s ELECT 100uF 20% 16V
C236	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C426	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C237	1-124-925-11 s ELECT 2.2uF 20% 100V	C427	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C238 C239 C240 C241 C242	1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V 1-107-498-11 s FILM, CHIP 0.0022uF 2% 50V 1-107-499-11 s FILM, CHIP 0.0039uF 2% 16V 1-131-345-00 s TANTALUM 0.47uF 10% 35V 1-130-497-00 s MYLAR 0.15uF 5% 50V	C428 C500 C501	1-163-989-11 s CERAMIC, CHIP 0.033uF 10% 25V 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V 1-506-468-11 s CONNECTOR 3P, MALE
C243	1-124-925-11 s ELECT 2.2uF 20% 100V	CN2	1-564-002-41 s CONNECTOR 3P, MALE
C244	1-104-553-11 s FILM, CHIP 0.015uF 5% 16V	CN3	1-564-002-11 s CONNECTOR 3P, MALE
C245	1-130-499-00 s MYLAR 0.22uF 5% 50V	CN111	1-573-600-21 s CONNECTOR, PHEC 100P, MALE
C246 C247 C248 C249	1-164-344-11 s CERAMIC, CHIP 0.068uF 10% 25V 1-104-560-11 s FILM, CHIP 0.056uF 5% 16V 1-124-925-11 s ELECT 2.2uF 20% 100V 1-107-553-11 s FILM, CHIP 0.0056uF 2% 16V	D1 D7 D8 D10 D11	8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304
C250	1-104-551-11 s FILM, CHIP 0.01uF 5% 16V	D201	8-719-941-23 s DIODE DA204U
C253	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	D206	8-719-941-23 s DIODE DA204U
C254	1-126-947-11 s ELECT 47uF 20% 35V	D207	8-719-123-85 s DIODE 1SS304
C255 C256 C257	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-126-964-11 s ELECT 10uF 20% 50V	D209 D401	8-719-123-85 s DIODE ISS304 8-719-941-23 s DIODE DA204U
C258	1-126-964-11 s ELECT 10uF 20% 50V	D403	8-719-941-23 s DIODE DA204U

(AP-31AP BOARD(UVW-1600P))		(AP-31AP	BOARD (UVW-1600	P))
Ref. No. or Q'ty Part No. SP Description		Ref. No. or Q'ty	Part No. SP	Description
D500 8-719-106-88 s DIODE RD15M-B1	l	Q206 Q207		TRANSISTOR 2SC4213-A TRANSISTOR 2SC4213-A
IC1 8-759-701-25 s IC NJM2068D-D IC2 8-759-701-25 s IC NJM2068D-D IC3 8-759-701-25 s IC NJM2068D-D IC4 8-759-701-25 s IC NJM2068D-D		Q209 Q211 Q216	$8-729-109-44 \text{ s} \\ 8-729-422-44 \text{ s}$	TRANSISTOR 25K94 TRANSISTOR 25K663 TRANSISTOR 25D2136-R(TA)
IC5 8-759-705-58 s IC NJM4558D-D IC6 8-759-705-58 s IC NJM4558D-D IC7 8-759-705-58 s IC NJM4558D-D IC8 8-752-018-80 s IC CX20188		Q217 Q218 Q219 Q220 Q221	8-729-021-98 s 8-729-021-98 s 8-729-117-32 s	TRANSISTOR 2SB1416-R(TA) TRANSISTOR 2SJ226-AZ TRANSISTOR 2SJ226-AZ TRANSISTOR 2SC4177 TRANSISTOR 2SC4177
IC9 8-759-705-58 s IC NJM4558D-D IC10 8-759-705-58 s IC NJM4558D-D		Q223 Q403	8-729-140-93 s	TRANSISTOR 2SB733-34 TRANSISTOR 2SC4213-A
IC11 8-759-145-57 s IC UPC4557C IC12 8-759-917-18 s IC SN74HCU04AN IC13 8-759-917-18 s IC SN74HCU04AN IC14 8-759-145-57 s IC UPC4557C IC15 8-759-705-58 s IC NJM4558D-D		R1 R5 R8 R9 R10	1-216-097-91 s 1-216-105-91 s 1-216-626-11 s	METAL, CHIP 10 0.5% 1/10W METAL, CHIP 100k 5% 1/10W METAL, CHIP 220k 5% 1/10W METAL, CHIP 91 0.5% 1/10W METAL, CHIP 470 0.5% 1/10W
IC201         8-759-701-25 s         IC NJM2068D-D           IC202         8-759-701-25 s         IC NJM2068D-D           IC203         8-759-701-25 s         IC NJM2068D-D           IC204         8-759-701-25 s         IC NJM2068D-D           IC205         8-759-705-58 s         IC NJM4558D-D		R13 R15 R16 R17 R19	1-216-659-11 s 1-208-806-11 s 1-216-009-00 s 1-216-073-00 s	METAL, CHIP 2.2K 0.5% 1/10W METAL, CHIP 10k 0.5% 1/10W METAL, CHIP 22 5% 1/10W METAL, CHIP 10K 5% 1/10W
IC206         8-759-705-58 s         IC NJM4558D-D           IC207         8-759-705-58 s         IC NJM4558D-D           IC208         8-759-705-58 s         IC NJM4558D-D           IC209         8-759-705-58 s         IC NJM4558D-D           IC210         8-759-145-57 s         IC UPC4557C		R20 R23 R24 R25 R26	1-216-073-00 s 1-216-073-00 s 1-216-049-91 s 1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
IC211 8-759-705-58 s IC NJM4558D-D IC401 8-759-701-25 s IC NJM2068D-D IC402 8-759-729-03 s IC NJM2903D IC405 8-759-172-41 s IC L78M09T-TL IC406 8-759-173-37 s IC L79M09T-TL	-g <mark>M</mark>	R27 R28 R30 R31 R32	1-216-097-91 s 1-216-097-91 s 1-208-806-11 s 1-216-041-00 s	METAL, CHIP 10K 5% 1/10W  METAL, CHIP 100K 5% 1/10W  METAL, CHIP 100K 5% 1/10W  METAL, CHIP 10K 0.5% 1/10W  METAL, CHIP 470 5% 1/10W  METAL, CHIP 430 0.5% 1/10W
IC407 8-759-635-83 s IC M51957BFP IC408 8-759-172-41 s IC L78M09T-TL IC409 8-759-173-37 s IC L79M09T-TL IC410 8-759-701-25 s IC NJM2068D-D		R33 R34 R35 R36	1-208-806-11 s 1-208-822-11 s 1-208-806-11 s	METAL, CHIP 10k 0.5% 1/10W METAL, CHIP 47k 0.5% 1/10W METAL, CHIP 10k 0.5% 1/10W METAL, CHIP 22k 0.5% 1/10W
L2 1-408-617-31 s INDUCTOR 150uH L202 1-408-617-31 s INDUCTOR 150uH L401 1-410-470-11 s INDUCTOR 10uH L402 1-410-470-11 s INDUCTOR 10uH	I I	R37 R38 R39	1-215-479-00 s 1-215-471-00 s	METAL 270K 1% 1/6W  METAL 120K 1% 1/6W  METAL 430K 1% 1/6W
L402 1-410-470-11 s INDUCTOR 10uH  PS1		R40 R41 R42	1-208-812-11 s 1-216-677-11 s	METAL, CHIP 18k 0.5% 1/10W METAL, CHIP 12K 0.5% 1/10W METAL, CHIP 68K 0.5% 1/10W
Q5 8-729-209-06 s TRANSISTOR 2SC Q6 8-729-209-06 s TRANSISTOR 2SC Q7 8-729-209-06 s TRANSISTOR 2SC Q9 8-729-109-44 s TRANSISTOR 2SK Q11 8-729-905-18 s TRANSISTOR DTC	24213-A 24213-A 394	R44 R45 R46 R47 R51	$\begin{array}{c} 121546300 \text{ s} \\ 120881211 \text{ s} \\ 120881411 \text{ s} \end{array}$	METAL 270K 1% 1/6W METAL 56K 1% 1/6W METAL, CHIP 18k 0.5% 1/10W METAL, CHIP 22k 0.5% 1/10W METAL, CHIP 1M 5% 1/10W
Q12       8-729-905-12 s TRANSISTOR DTA         Q13       8-729-422-44 s TRANSISTOR 2SK         Q18       8-729-423-93 s TRANSISTOR 2SD         Q19       8-729-022-00 s TRANSISTOR 2SB         Q20       8-729-021-98 s TRANSISTOR 2SJ	K663 D2136-R(TA) B1416-R(TA)	R56 R57 R58 R59 R60	1-208-822-11 s 1-208-774-11 s 1-216-622-11 s	METAL, CHIP 22 5% 1/10W METAL, CHIP 47k 0.5% 1/10W METAL, CHIP 470 0.5% 1/10W METAL, CHIP 62 0.5% 1/10W METAL, CHIP 13K 0.5% 1/10W
Q21 8-729-021-98 s TRANSISTOR 2SJ Q22 8-729-117-32 s TRANSISTOR 2SC Q23 8-729-117-32 s TRANSISTOR 2SC Q25 8-729-140-93 s TRANSISTOR 2SB Q30 8-729-140-93 s TRANSISTOR 2SB	24177 24177 3733-34	R61 R62 R63 R64 R65	1-216-652-11 s 1-216-622-11 s 1-208-784-11 s	METAL, CHIP 8.2K 0.5% 1/10W METAL, CHIP 1.1K 0.5% 1/10W METAL, CHIP 62 0.5% 1/10W METAL, CHIP 1.2k 0.5% 1/10W METAL, CHIP 11K 0.5% 1/10W
Q205 8-729-209-06 s TRANSISTOR 2SC	C4213-A	R66	1-216-677-11 s	METAL, CHIP 12K 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R67 R68 R69 R70 R71	1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W 1-215-493-00 s METAL 1M 1% 1/6W 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R139 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R140 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R141 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W R142 1-216-025-91 s METAL, CHIP 100 5% 1/10W R143 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R72 R73 R74 R75 R76	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R144 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R145-154 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R166 1-216-295-91 s RES, CHIP 0 R178 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R179 1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W
R77 R78 R79 R80 R82	1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R180 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R181 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R182 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R183 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R184 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R83 R84 R85 R86 R87	1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R186 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R187 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R189 1-216-295-91 s RES, CHIP 0 R190 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R201 1-216-603-11 s METAL, CHIP 10 0.5% 1/10W
R88 R89 R90 R91 R92	1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W 1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W	R205 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R208 1-216-105-91 s METAL, CHIP 220k 5% 1/10W R209 1-216-626-11 s METAL, CHIP 91 0.5% 1/10W R210 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R213 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R93 R106 R107 R108 R109	1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W	R215 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R216 1-216-009-00 s METAL, CHIP 22 5% 1/10W R217 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R219 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R220 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R110 R111 R112 R113 R114	1-216-650-11 s METAL, CHIP 910 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W	R223 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R224 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R225 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R226 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R227 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R115 R116 R117 R118 R119	1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-247-807-31 s CARBON 100 5% 1/4W 1-216-399-00 s WIREWOUND 6.8 10% 3W	R228 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R230 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R231 1-216-041-00 s METAL, CHIP 470 5% 1/10W R232 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W R233 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R120 A R121 R122 R123 R124	1-216-399-00 s WIREWOUND 6.8 10% 3W 1-247-807-31 s CARBON 100 5% 1/4W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-249-389-11 s CARBON 4.7 5% 1/4W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R234 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R235 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R236 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R237 1-215-484-00 s METAL 430K 1% 1/6W R238 1-215-484-00 s METAL 430K 1% 1/6W
R125 R126 R127 R128 R129	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-075-00 s METAL, CHIP 12K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R239 1-215-484-00 s METAL 430K 1% 1/6W R240 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W R241 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R242 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W R244 1-215-487-00 s METAL 560K 1% 1/6W
R130 R131 R132 R133 R134	1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-095-00 s METAL, CHIP 82K 5% 1/10W 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W	R245 1-215-466-00 s METAL 75K 1% 1/6W R246 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R247 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R251 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R255 1-216-009-00 s METAL, CHIP 22 5% 1/10W
R135 R136 R137 R138	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R256 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R257 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R258 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W R259 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R260 R261 R262 R263 R264	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W	R332 R333 R334 R335 R336	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-684-91 s METAL, CHIP 24k 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R265	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W	R337	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-095-00 s METAL, CHIP 82K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-295-91 s RES, CHIP 0
R266	1-208-785-11 s METAL, CHIP 1.3k 0.5% 1/10W	R338	
R267	1-215-493-00 s METAL 1M 1% 1/6W	R341	
R268	1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W	R342	
R269	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R343	
R270	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R350	1-216-295-91 s RES, CHIP 0
R271	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R351	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R272	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R387	1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W
R273	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R400	1-216-603-11 s METAL, CHIP 10 0.5% 1/10W
R274	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R401	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R276	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R402	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R277		R403	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R278		R405	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R279		R406	1-216-033-00 s METAL, CHIP 220 5% 1/10W
R280		R407	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R281	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R408	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R282	1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W	R410	
R283	1-216-045-00 s METAL, CHIP 680 5% 1/10W	R412	
R284	1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W	R413	
R285	1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W	R414	
R286	1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W	R415	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R287		R416	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R300		R417	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R301		R418	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R302		R419	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R303 R304 R305 R306 R307	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R420 R421 R422 R423 R424	1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R308	1-216-033-00 s METAL, CHIP 220 5% 1/10W	R425	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W
R309	1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W	R426	
R310	1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W	R427	
R311	1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W	R428	
R312	1-247-807-31 s CARBON 100 5% 1/4W	R500	
	1-216-399-00 s WIREWOUND 6.8 10% 3W 1-216-399-00 s WIREWOUND 6.8 10% 3W 1-247-807-31 s CARBON 100 5% 1/4W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-249-389-11 s CARBON 4.7 5% 1/4W	R501 R502 R602	1-216-633-11 s METAL, CHIP 180 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-247-855-11 s CARBON 10K 5% 1/4W 1-241-789-11 s RES, ADJ METAL 220k
R318	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	RV2	1-241-783-11 s RES, ADJ METAL 2.2k
R319	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	RV3	1-241-783-11 s RES, ADJ METAL 2.2k
R320	1-216-075-00 s METAL, CHIP 12K 5% 1/10W	RV4	1-241-785-11 s RES, ADJ METAL 10k
R321	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	RV5	1-241-786-11 s RES, ADJ METAL 22k
R322	1-216-025-91 s METAL, CHIP 100 5% 1/10W	RV201	1-241-789-11 s RES, ADJ METAL 220k
R323	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	RV202	1-241-783-11 s RES, ADJ METAL 2.2k
R324	1-216-033-00 s METAL, CHIP 220 5% 1/10W	RV203	1-241-783-11 s RES, ADJ METAL 2.2k
R325	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	RV204	1-241-785-11 s RES, ADJ METAL 10k
R326	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	RV205	1-241-786-11 s RES, ADJ METAL 22k
R327	1-216-095-00 s METAL, CHIP 82K 5% 1/10W	S1	1-570-602-11 s SWITCH, DIP 2-CKT
R328	1-216-676-11 s METAL, CHIP 11K 0.5% 1/10W	S2	1-570-602-11 s SWITCH, DIP 2-CKT
R329	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	S201	1-570-602-11 s SWITCH, DIP 2-CKT
R330	1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W	S202	1-570-602-11 s SWITCH, DIP 2-CKT
R331	1-216-025-91 s METAL, CHIP 100 5% 1/10W	TH1, 2	1-807-972-11 s THERMISTOR SV-1715 1.25k

#### (AR-14 BOARD (UVW-1800))

	(MK-14 DOMND (01#-1800))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
AR-14 board is used for UVW-1800(J,UC).  1pc	C204 1-126-950-11 s ELECT 330uF 20% 35V C205 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C206 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C207 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V C208 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V
C1	C209 1-126-947-11 s ELECT 47uF 20% 35V C210 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C211 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C212 1-126-933-11 s ELECT 100uF 20% 16V C213 1-126-933-11 s ELECT 100uF 20% 16V
C6 1-163-137-00 s CERAMIC, CHIP 680PF 5% 50V C7 1-126-964-11 s ELECT 10uF 20% 50V C8 1-126-964-11 s ELECT 10uF 20% 50V C9 1-126-964-11 s ELECT 10uF 20% 50V C10 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C214 1-131-353-00 s TANTALUM 10uF 10% 35V C215 1-130-475-00 s MYLAR 0.0022uF 5% 50V C216 1-130-471-00 s MYLAR 0.001uF 5% 50V C217 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C218 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C11 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C12 1-126-933-11 s ELECT 100uF 20% 16V C13 1-126-933-11 s ELECT 100uF 20% 16V C14 1-126-933-11 s ELECT 100uF 20% 16V C15 1-126-933-11 s ELECT 100uF 20% 16V	C219 1-130-489-00 s MYLAR 0.033uF 5% 50V C220 1-130-473-00 s MYLAR 0.0015uF 5% 50V C221 1-130-494-11 s MYLAR 0.082uF 5% 50V C222 1-126-964-11 s ELECT 10uF 20% 50V C223 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C16-C20 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C21 1-126-933-11 s ELECT 100uF 20% 16V C22 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V C23 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V C101 1-126-947-11 s ELECT 47uF 20% 35V	C224 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C230 1-126-964-11 s ELECT 10uF 20% 50V C231 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V C232 1-130-485-00 s MYLAR 0.015uF 5% 50V C233 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V
C102 1-126-947-11 s ELECT 47uF 20% 35V C103 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C104 1-126-950-11 s ELECT 330uF 20% 35V C105 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C106 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	C234 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C235 1-130-479-00 s MYLAR 0.0047uF 5% 50V C236 1-130-487-00 s MYLAR 0.022uF 5% 50V C237 1-126-964-11 s ELECT 10uF 20% 50V C301 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
C107 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V C108 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V C109 1-126-947-11 s ELECT 47uF 20% 35V C110 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C111 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C302 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C303 1-163-257-11 s CERAMIC, CHIP 180PF 5% 50V C305 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C307 1-131-347-00 s TANTALUM 1uF 10% 35V C308 1-131-347-00 s TANTALUM 1uF 10% 35V
C112 1-126-933-11 s ELECT 100uF 20% 16V C113 1-126-933-11 s ELECT 100uF 20% 16V C114 1-131-353-00 s TANTALUM 10uF 10% 35V C115 1-130-475-00 s MYLAR 0.0022uF 5% 50V C116 1-130-471-00 s MYLAR 0.001uF 5% 50V	C309 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C312 1-131-347-00 s TANTALUM 1uF 10% 35V C313 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C322 1-131-347-00 s TANTALUM 1uF 10% 35V C323 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C117 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C118 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C119 1-130-489-00 s MYLAR 0.033uF 5% 50V C120 1-130-473-00 s MYLAR 0.0015uF 5% 50V C121 1-130-494-11 s MYLAR 0.082uF 5% 50V	C332 1-131-349-00 s TANTALUM 2.2uF 10% 35V C333 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C334 1-126-963-11 s ELECT 4.7uF 20% 50V C335 1-136-561-11 s FILM 0.0068uF 5% 630V C336 1-131-347-00 s TANTALUM 1uF 10% 35V
C122 1-126-964-11 s ELECT 10uF 20% 50V C123 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C124 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C130 1-126-964-11 s ELECT 10uF 20% 50V C131 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C337
C132	C346 1-131-347-00 s TANTALUM 1uF 10% 35V C347 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C352 1-131-349-00 s TANTALUM 2.2uF 10% 35V C353 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C354 1-126-947-11 s ELECT 47uF 20% 35V
C137	C355 1-136-561-11 s FILM 0.0068uF 5% 630V C356 1-131-347-00 s TANTALUM 1uF 10% 35V C364 1-109-900-11 s CERAMIC, CHIP 470pF 5% 200V C374 1-109-900-11 s CERAMIC, CHIP 470pF 5% 200V

(AR-14 BOARD(UVW-1800))		(AR-14 BOARD(UVW-1800))	
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description	
CN1	1-506-474-11 s CONNECTOR 9P, MALE	IC314 8-759-916-12 s IC SN74HC00N IC315 8-759-705-58 s IC NJM4558D-D	
CN112	1-573-600-21 s CONNECTOR, PHEC 100P, MALE	IC316 8-759-705-58 s IC NJM4558D-D	
D1 D101 D102 D103 D201	8-719-123-85 s DIODE 1SS304 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U	L1 1-410-470-11 s INDUCTOR 10uH L2 1-410-470-11 s INDUCTOR 10uH L101 1-410-478-11 s INDUCTOR 47uH L102 1-407-496-00 s INDUCTOR 2. 2mH L201 1-410-478-11 s INDUCTOR 47uH	L2 L101 L102
D202 D203 D301 D302 D303	8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1	L202 1-407-496-00 s INDUCTOR 2.2mH L301 1-410-470-11 s INDUCTOR 10uH L311 1-410-470-11 s INDUCTOR 10uH L321 1-410-470-11 s INDUCTOR 10uH	L301 L311 L321
D304 D305 D306 D311 D312	8-719-157-23 s DIODE RD4.7M-B 8-719-123-82 s DIODE 1SS303-T1 8-719-157-23 s DIODE RD4.7M-B 8-719-123-82 s DIODE ISS303-T1 8-719-157-23 s DIODE RD4.7M-B	LV101 1-410-853-21 s COIL, VAR 4.5uH LV201 1-410-853-21 s COIL, VAR 4.5uH LV301 1-414-007-11 s COIL, VAR 1.5uH LV311 1-414-007-11 s COIL, VAR 1.5uH LV321 1-414-007-11 s COIL, VAR 1.5uH	LV201 LV301 LV311
D313	8-719-123-82 s DIODE 1SS303-T1	PS1	
D314 D321 D322 D323	8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-157-23 s DIODE RD4.7M-B 8-719-123-82 s DIODE 1SS303-T1	Q1 8-729-117-32 s TRANSISTOR 2SC4177 Q2 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q3 8-729-905-12 s TRANSISTOR DTA144EU Q4 8-729-905-12 s TRANSISTOR DTA144EU	Q2 Q3 Q4
D324 D331 D332 D334	8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-157-23 s DIODE RD4.7M-B 8-719-123-82 s DIODE 1SS303-T1	Q5 8-729-905-12 s TRANSISTOR DTA144EU  Q101 8-729-209-06 s TRANSISTOR 2SC4213-A Q102 8-729-905-18 s TRANSISTOR DTC144EU	Q101
D401 D402	8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1	Q103 8-729-905-12 s TRANSISTOR DTA144EU Q104 8-729-140-98 s TRANSISTOR 2SD773-3 Q105 8-729-140-98 s TRANSISTOR 2SD773-3	Q104
IC1 IC2 IC3 IC5 IC6	8-759-140-53 s IC UPD4053BC 8-759-705-58 s IC NJM4558D-D 8-759-917-18 s IC SN74HCU04AN 8-759-168-20 s IC TA78L09S 8-759-700-68 s IC NJM79L09A	Q201 8-729-209-06 s TRANSISTOR 2SC4213-A Q202 8-729-905-18 s TRANSISTOR DTC144EU Q203 8-729-905-12 s TRANSISTOR DTA144EU Q204 8-729-140-98 s TRANSISTOR 2SD773-3 Q205 8-729-140-98 s TRANSISTOR 2SD773-3	Q202 Q203 Q204
IC7 IC101 IC102 IC103 IC104	8-759-168-20 s IC TA78L09S 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D	Q301 8-729-203-30 s TRANSISTOR 2SJ106Y Q302 8-729-140-93 s TRANSISTOR 2SB733-34 Q303 8-729-203-30 s TRANSISTOR 2SJ106Y Q304 8-729-140-93 s TRANSISTOR 2SB733-34 Q305 8-729-140-98 s TRANSISTOR 2SD773-3	Q302 Q303 Q304
IC105 IC201 IC202 IC203 IC204	8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D 8-759-705-58 s IC NJM4558D-D	Q306 8-729-140-98 s TRANSISTOR 2SD773-3 Q311 8-729-203-30 s TRANSISTOR 2SJ106Y Q312 8-729-140-93 s TRANSISTOR 2SB733-34 Q313 8-729-905-12 s TRANSISTOR DTA144EU Q314 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	Q311 Q312 Q313
IC205 IC301 IC302 IC303 IC304	8-759-705-58 s IC NJM4558D-D 8-759-917-18 s IC SN74HCU04AN 8-759-917-37 s IC MC74HC4024N 8-759-038-14 s IC MC74HC4538AN 8-759-916-16 s IC MC74HC08AN	Q315 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q316 8-729-140-98 s TRANSISTOR 2SD773-3 Q317 8-729-140-98 s TRANSISTOR 2SD773-3 Q318 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q319 8-729-140-98 s TRANSISTOR 2SD773-3	Q316 Q317 Q318
IC305 IC306 IC307 IC308 IC309	8-759-921-19 s IC SN74HC161N 8-759-032-81 s IC MC74HC74N 8-759-917-18 s IC SN74HCU04AN 8-759-916-16 s IC MC74HC08AN 8-759-135-80 s IC UPC358C	Q321 8-729-203-30 s TRANSISTOR 2SJ106Y Q322 8-729-140-93 s TRANSISTOR 2SB733-34 Q323 8-729-905-12 s TRANSISTOR DTA144EU Q324 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q325 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	Q322 Q323 Q324
IC310 IC311 IC312 IC313	8-759-135-80 s IC UPC358C 8-759-916-12 s IC SN74HC00N 8-759-917-18 s IC SN74HCU04AN 8-759-135-80 s IC UPC358C	Q326 8-729-140-98 s TRANSISTOR 2SD773-3 Q327 8-729-140-98 s TRANSISTOR 2SD773-3 Q328 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q329 8-729-140-98 s TRANSISTOR 2SD773-3	Q327 Q328

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(AR-14 BOARD(UVW-1800))	(AR-14 BOARD(UVW-1800))	
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description	
Q331 8-729-203-30 s TRANSISTOR 2SJ106Y Q332 8-729-140-93 s TRANSISTOR 2SB733-34 Q333 8-729-905-12 s TRANSISTOR DTA144EU Q334 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q335 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R133 1-216-041-00 s METAL, CHIP 470 5% 1/10W R134 1-216-041-00 s METAL, CHIP 470 5% 1/10W R135 1-216-009-00 s METAL, CHIP 22 5% 1/10W R136 1-216-045-00 s METAL, CHIP 680 5% 1/10W R137 1-216-077-00 s METAL, CHIP 15K 5% 1/10W	
Q336 8-729-140-98 s TRANSISTOR 2SD773-3 Q337 8-729-140-98 s TRANSISTOR 2SD773-3 Q339 8-729-140-98 s TRANSISTOR 2SD773-3	R138 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R139 △ 1-215-905-11 s METAL 10 5% 3W R140 △ 1-215-905-11 s METAL 10 5% 3W R141 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	
R1 1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W R2 1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W R3 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R4 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R5 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R142 1-216-097-91 s METAL, CHIP 100k 5% 1/10W  R143 1-216-089-91 s METAL, CHIP 47k 5% 1/10W  R144 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W  R146 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R147 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	
R6	R148 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R149 1-216-117-00 s METAL, CHIP 680K 5% 1/10W  R150 1-216-097-91 s METAL, CHIP 100k 5% 1/10W  R151-155 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R152 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R153 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	
R12 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R13 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R14 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R15 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R154 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R155 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R156 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R203 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W	
R16	R204 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R205 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W R206 1-216-641-11 s METAL, CHIP 390 0.5% 1/10W R207 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W R208 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	
R103 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R104 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R105 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W R106 1-216-641-11 s METAL, CHIP 390 0.5% 1/10W R107 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W	R209 1-216-097-91 s METAL, CHIP 100k 5% 1/10W  R210 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W  R211 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W  R212 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W  R213 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	
R108	R214 1-216-049-91 s METAL, CHIP 1k 5% 1/10W  R215 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W  R216 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W  R217 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R218 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	
R113	R219 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R220 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R221 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R222 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R223 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	
R118 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R119 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R120 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R121 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R122 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R224 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W  R225 1-216-049-91 s METAL, CHIP 1k 5% 1/10W  R226 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R227 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W  R228 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	
R123	R229 1-216-109-00 s METAL, CHIP 330K 5% 1/10W  R230 1-216-095-00 s METAL, CHIP 82K 5% 1/10W  R231 1-216-295-91 s RES, CHIP 0  R232 1-216-097-91 s METAL, CHIP 100k 5% 1/10W  R233 1-216-041-00 s METAL, CHIP 470 5% 1/10W	
R128 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R129 1-216-109-00 s METAL, CHIP 330K 5% 1/10W R130 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R131 1-216-295-91 s RES, CHIP 0 R132 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R234 1-216-041-00 s METAL, CHIP 470 5% 1/10W  R235 1-216-009-00 s METAL, CHIP 22 5% 1/10W  R236 1-216-045-00 s METAL, CHIP 680 5% 1/10W  R237 1-216-077-00 s METAL, CHIP 15K 5% 1/10W  R238 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	

#### (AR-14 BOARD (UVW-1800))

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R239	R351 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R352 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R353 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R354 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R355 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R244 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R246 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R247 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R248 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R249 1-216-117-00 s METAL, CHIP 680K 5% 1/10W	R356 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R357 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R358 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R359
R250 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R251 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R252 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R253 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R254 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R363 1-217-671-11 s METAL, CHIP 1 5% 1/10W R364 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R365 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R366 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W R371 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R255 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R256 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R301 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R302 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R303 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W	R372 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R373 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R374 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R375 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R376 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R304 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R305 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R306 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R307 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R308 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R377 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R378 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R379 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R380 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R381 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R309 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R310 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R311 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R312 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R313 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R382 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R383 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R384 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R385 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R386 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R314 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R315 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W R316 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R317 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R318 1-216-077-00 s METAL, CHIP 15K 5% 1/10W	R387 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R388 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R389
R319 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R320 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R321 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R322 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R323 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R394 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R395 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R396 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W R397 1-249-421-11 s CARBON 2.2K 5% 1/4W R398 1-249-421-11 s CARBON 2.2K 5% 1/4W
R324 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R325 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W R326 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R327 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R328 1-216-077-00 s METAL, CHIP 15K 5% 1/10W	R399 1-249-421-11 s CARBON 2.2K 5% 1/4W R401 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R402 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R403 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R404 1-216-295-91 s RES, CHIP 0
R329 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R330 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R331 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R332 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R341 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R405 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W R406 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R407 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R408 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R409 1-216-085-00 s METAL, CHIP 33K 5% 1/10W
R342 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R343 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R344 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R345 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R346 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	R410 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R411 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R412 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R413 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R414 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R347 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R348 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R349 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R350 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R415 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R416 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R417 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R418 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W

# (AR-14 BOARD(UVW-1800))

Ref. No. or Q'ty	Part No. SP Description
R419	1-216-397-11 s METAL 4.7 5% 3W 1-216-397-11 s METAL 4.7 5% 3W 1-217-671-11 s METAL, CHIP 1 5% 1/10W 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W
RV106 RV107 RV108 RV109 RV110	1-241-785-11 s RES, ADJ METAL 10k
RV111 RV112 RV206 RV207 RV208	1-241-783-11 s RES, ADJ METAL 2.2k
RV209 RV210 RV211 RV212 RV301	1-241-761-11 s RES, ADJ METAL 1k 1-241-761-11 s RES, ADJ METAL 1k 1-241-784-11 s RES, ADJ METAL 4.7k 1-241-785-11 s RES, ADJ METAL 10k 1-241-765-11 s RES, ADJ METAL 22k
RV302 RY301	1-241-765-11 s RES, ADJ METAL 22k 1-515-434-00 s RELAY, REED
RY311	
S103 S203	
T101 T201 T301 T311 T321	1-423-870-11 s TRANSFORMER, BIAS OSC 1-423-870-11 s TRANSFORMER, BIAS OSC 1-424-511-11 s TRANSFORMER, FE 1-424-511-11 s TRANSFORMER, FE 1-424-511-11 s TRANSFORMER, FE
TH1 TH2	1-807-972-11 s THERMISTOR SV-1715 1.25k 1-807-972-11 s THERMISTOR SV-1715 1.25k
X301	1-567-861-21 s CRYSTAL 4.194304MHz

# AR-14P BOARD (UVW-1800P)

Ref. No. or Q'ty Part No. SP Description

AR-14P board is used for UVW-1800P(EK).

AK-14F	board is used for ovw-loody(EK).
lpc	A-8275-472-A o MOUNTED CIRCUIT BOARD, AR-14P
lpc	3-179-084-01 s LEVER (R), PC BOARD
lpc	3-179-085-01 s LEVER (L), PC BOARD
C1	1-163-137-00 s CERAMIC, CHIP 680PF 5% 50V
C2	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C3	1-163-137-00 s CERAMIC, CHIP 680PF 5% 50V
C4	1-126-964-11 s ELECT 10uF 20% 50V
C5	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C6	1-163-137-00 s CERAMIC, CHIP 680PF 5% 50V
C7	1-126-964-11 s ELECT 10uF 20% 50V
C8	1-126-964-11 s ELECT 10uF 20% 50V
C9	1-126-964-11 s ELECT 10uF 20% 50V
C10	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C11	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C12	1-126-933-11 s ELECT 100uF 20% 16V
C13	1-126-933-11 s ELECT 100uF 20% 16V
C14	1-126-933-11 s ELECT 100uF 20% 16V
C15	1-126-933-11 s ELECT 100uF 20% 16V
C16-C20	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C21	1-126-933-11 s ELECT 100uF 20% 16V
C22	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C23	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C101	1-126-947-11 s ELECT 47uF 20% 35V
C102	1-126-947-11 s ELECT 47uF 20% 35V
C103	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C104	1-126-950-11 s ELECT 330uF 20% 35V
C105	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C106	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C107	1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V
C108	1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V
C109	1-126-947-11 s ELECT 47uF 20% 35V
C110	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C111	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C112	1-126-933-11 s ELECT 100uF 20% 16V
C113	1-126-933-11 s ELECT 100uF 20% 16V
C114	1-131-353-00 s TANTALUM 10uF 10% 35V
C115	1-130-476-00 s MYLAR 0.0027uF 5% 50V
C116	1-130-474-00 s MYLAR 0.0018uF 5% 50V
C117	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C119	1-130-489-00 s MYLAR 0.033uF 5% 50V
C120	1-130-476-00 s MYLAR 0.0027uF 5% 50V
C121	1-130-494-11 s MYLAR 0.082uF 5% 50V
C122	1-126-964-11 s ELECT 10uF 20% 50V
C123	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C124	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C130	1-126-964-11 s ELECT 10uF 20% 50V
C131	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V
C132	1-130-485-00 s MYLAR 0.015uF 5% 50V
C133	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V
C134	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V
C135	1-130-483-00 s MYLAR 0.01uF 5% 50V
C136	1-130-483-00 s MYLAR 0.01uF 5% 50V
C137	1-126-964-11 s ELECT 10uF 20% 50V
C201	1-126-947-11 s ELECT 47uF 20% 35V
C202	1-126-947-11 s ELECT 47uF 20% 35V
C203	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C204	1-126-950-11 s ELECT 330uF 20% 35V

IC312

IC313

IC314

8-759-917-18 s IC SN74HCU04AN

8-759-135-80 s IC UPC358C

8-759-916-12 s IC SN74HC00N

1-109-900-11 s CERAMIC, CHIP 470pF 5% 200V

1-109-900-11 s CERAMIC, CHIP 470pF 5% 200V

1-506-474-11 s CONNECTOR 9P. MALE

C364

C374

CN1

# (AR-14P BOARD(UVW-1800P))

Ref. No.		Ref. No.	
	Part No. SP Description		Part No. SP Description
	or boboription	01 <b>q</b> t)	Tare not or population
IC315	8-759-705-58 s IC NJM4558D-D	Q332	8-729-140-93 s TRANSISTOR 2SB733-34
IC316	O MEO MOR EO YO MYNGEROD D	Q333	8-729-905-12 s TRANSISTOR DTA144EU
10010	8-759-705-58 s IC NJM4558D-D		
1.1	1 410 470 11 - TAIDHOTOD 10 H	Q334	8-729-140-63 s TRANSISTOR 2SA1611-M5M6
L1	1-410-470-11 s INDUCTOR 10uH	Q335	8-729-140-63 s TRANSISTOR 2SA1611-M5M6
L2	1-410-470-11 s INDUCTOR 10uH	Q336	8-729-140-98 s TRANSISTOR 2SD773-3
L101	1-410-478-11 s INDUCTOR 47uH		
L102	1-407-496-00 s INDUCTOR 2.2mH	Q337	8-729-140-98 s TRANSISTOR 2SD773-3
L201	1-410-478-11 s INDUCTOR 47uH	Q339	8-729-140-98 s TRANSISTOR 2SD773-3
		-	
L202	1-407-496-00 s INDUCTOR 2.2mH	R1	1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W
L301	1-410-470-11 s INDUCTOR 10uH	R2	1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W
L311	1-410-470-11 s INDUCTOR 10uH	R3	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
L321	1-410-470-11 s INDUCTOR 10uH	R4	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
1321	1-410-470-11 S INDUCTOR TOUR		
13/101	1 410 0E2 01 - COIL WAD 4 E H	R5	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
LV101	1-410-853-21 s COIL, VAR 4.5uH	D.C	1 010 0E0 00 NEWFILL GUYE 10V EV 1 (10W
LV201	1-410-853-21 s COIL, VAR 4.5uH	R6	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
LV301	1-414-007-11 s COIL, VAR 1.5uH	R7	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
LV311	1-414-007-11 s COIL, VAR 1.5uH	R8	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
LV321	1-414-007-11 s COIL, VAR 1.5uH	R9	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
		R10	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
PS1 △	1-532-727-11 s LINK, IC 0.25A		
	1-532-727-11 s LINK, IC 0.25A	R11	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
102 2	1 1 002 121-11 3 Elim, 10 0.20n	R12	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Δ1	9 700 117 20 a TRANSTETOR OCCA177		
Q1	8-729-117-32 s TRANSISTOR 2SC4177	R13	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q2	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R14	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q3	8-729-905-12 s TRANSISTOR DTA144EU	R15	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q4	8-729-905-12 s TRANSISTOR DTA144EU		
Q5	8-729-905-12 s TRANSISTOR DTA144EU	R16	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
		R17	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q101	8-729-209-06 s TRANSISTOR 2SC4213-A	R18-R25	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Q102	8-729-905-18 s TRANSISTOR DTC144EU	R26	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q103	8-729-905-12 s TRANSISTOR DTA144EU	R27	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q104	8-729-140-98 s TRANSISTOR 2SD773-3	1(2)	1-210-075-00 S MDIAL, OHIT TON 5% 1/10#
Q105	8-729-140-98 s TRANSISTOR 2SD773-3	D102	1 000 700 11 - METAL CUID E 11 0 EW 1/10W
Ø103	0-129-140-90 S TRANSISTOR 25D113-5	R103	1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W
0001	0 F00 000 00 MD INCTOMOR 0004040 1	R104	1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W
Q201	8-729-209-06 s TRANSISTOR 2SC4213-A	R105	1-216-642-11 s METAL, CHIP 430 0.5% 1/10W
Q202	8-729-905-18 s TRANSISTOR DTC144EU	R106	1-216-641-11 s METAL, CHIP 390 0.5% 1/10W
Q203	8-729-905-12 s TRANSISTOR DTA144EU	R107	1-216-633-11 s METAL, CHIP 180 0.5% 1/10W
Q204	8-729-140-98 s TRANSISTOR 2SD773-3		
Q205	8-729-140-98 s TRANSISTOR 2SD773-3	R108	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
•		R109	1-216-097-91 s METAL. CHIP 100k 5% 1/10W
Q301	8-729-203-30 s TRANSISTOR 2SJ106Y	R110	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
Q302	8-729-140-93 s TRANSISTOR 2SB733-34	R111	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
		R112	
Q303	8-729-203-30 s TRANSISTOR 2SJ106Y	K112	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
Q304	8-729-140-93 s TRANSISTOR 2SB733-34	D.1.0	1 010 010 01 NEW 1 OUT 11 FW 1 /10W
Q305	8-729-140-98 s TRANSISTOR 2SD773-3	R113	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
		R114	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q306	8-729-140-98 s TRANSISTOR 2SD773-3	R115	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q311	8-729-203-30 s TRANSISTOR 2SJ106Y	R116	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q312	8-729-140-93 s TRANSISTOR 2SB733-34	R117	1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q313	8-729-905-12 s TRANSISTOR DTA144EU		
Q314	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R118	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
·•	DOMESTIC DESCRIPTION OF THE PROPERTY OF THE PR	R119	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q315	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R120	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q315 Q316	8-729-140-98 s TRANSISTOR 2SD773-3	R120	1-216-073-00 S METAL, CHIP 10K 5% 1/10W
Q317	8-729-140-98 s TRANSISTOR 2SD773-3	R122	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q318	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	D100	1 010 070 00 NOTE OUT 107 707 1/107
Q319	8-729-140-98 s TRANSISTOR 2SD773-3	R123	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
00	0 =00 000 00 mp.u/c====	R124	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
Q321	8-729-203-30 s TRANSISTOR 2SJ106Y	R125	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q322	8-729-140-93 s TRANSISTOR 2SB733-34	R126	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q323	8-729-905-12 s TRANSISTOR DTA144EU	R127	1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W
Q324	8-729-140-63 s TRANSISTOR 2SA1611-M5M6		
Q325	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R128	1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W
4000		R130	1-216-095-00 s METAL, CHIP 82K 5% 1/10W
Q326	8-729-140-98 s TRANSISTOR 2SD773-3	R131	1-216-295-91 s RES, CHIP 0
Q320 Q327			
	8-729-140-98 s TRANSISTOR 2SD773-3	R132	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Q328	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R133	1-216-041-00 s METAL, CHIP 470 5% 1/10W
Q329	8-729-140-98 s TRANSISTOR 2SD773-3	D101	1 010 011 00 100011 0110 1
Q331	8-729-203-30 s TRANSISTOR 2SJ106Y	R134	1-216-041-00 s METAL, CHIP 470 5% 1/10W

# (AR-14P BOARD (UVW-1800P))

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R135 1-216-009-00 s METAL, CHIP 22 5% 1/10W R136 1-216-045-00 s METAL, CHIP 680 5% 1/10W R137 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R138 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R139 △ 1-215-905-11 s METAL 10 5% 3₩	R247 1-216-647-11 s METAL, CHIP 680 0.5% 1/10W R248 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R249 1-216-117-00 s METAL, CHIP 680K 5% 1/10W R250 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R251-255 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R140	R256 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R301 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R302 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R303 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R304 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R146 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R147 1-216-647-11 s METAL, CHIP 680 0.5% 1/10W R148 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R149 1-216-117-00 s METAL, CHIP 680K 5% 1/10W R150 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R305 1-208-803-11 s METAL, CHIP 7.5k 0.5% 1/10W R306 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R307 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R308 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R309 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R151-155 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R156 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R203 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R204 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R205 1-216-642-11 s METAL, CHIP 430 0.5% 1/10W	R310 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R311 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R312 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R313 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R314 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R206 1-216-641-11 s METAL, CHIP 390 0.5% 1/10W R207 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W R208 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R209 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R210 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W	R315 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W R316 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R317 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R318 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R319 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R211 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R212 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R213 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R214 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R215 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R320 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R321 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R322 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R323 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R324 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R216 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R217 1-216-025-91 s METAL, CHIP 100 5% 1/10W R218 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R219 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R220 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R325 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W R326 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R327 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R328 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R329 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R221 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R222 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R223 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R224 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R225 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R330 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R331 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R332 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R341 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R342 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R226 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R227 1-216-674-11 s METAL, CHIP 9.1K 0.5% 1/10W R228 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W R230 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R231 1-216-295-91 s RES, CHIP 0	R343 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R344 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R345 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R346 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R347 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R232 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R233 1-216-041-00 s METAL, CHIP 470 5% 1/10W R234 1-216-041-00 s METAL, CHIP 470 5% 1/10W R235 1-216-009-00 s METAL, CHIP 22 5% 1/10W R236 1-216-045-00 s METAL, CHIP 680 5% 1/10W	R348 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R349 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R350 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R351 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R352 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R237 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R238 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R239	R353 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R354 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R355 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R356 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R357 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
R242 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R243 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R244 1-216-075-00 s METAL, CHIP 12K 5% 1/10W R246 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R358 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R359 △ 1-216-397-11 s METAL 4.7 5% 3W R361 △ 1-216-397-11 s METAL 4.7 5% 3W R363 1-217-671-11 s METAL, CHIP 1 5% 1/10W

# (AR-14P BOARD(UVW-1800P))

Ref. No. or Q'ty Part N	No. SP Description	ef. No. r Q'ty Part No. S	P Description
R365 1-216- R366 1-216- R371 1-216-	-073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -699-11 s METAL, CHIP 100K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W	V206 1-241-783-11 V207 1-241-786-11 V208 1-241-783-11	s RES, ADJ METAL 10k s RES, ADJ METAL 2.2k s RES, ADJ METAL 22k s RES, ADJ METAL 2.2k s RES, ADJ METAL 1k
R374 1-216- R375 1-208- R376 1-216-	-085-00 s METAL, CHIP 33K 5% 1/10W -049-91 s METAL, CHIP 1k 5% 1/10W -814-11 s METAL, CHIP 22k 0.5% 1/10W -687-11 s METAL, CHIP 33K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W	V211 1-241-784-11 1 V212 1-241-785-11 1 V301 1-241-765-11	s RES, ADJ METAL 1k s RES, ADJ METAL 4.7k s RES, ADJ METAL 10k s RES, ADJ METAL 22k s RES, ADJ METAL 22k
R379 1-216-	-065-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -089-91 s METAL, CHIP 47k 5% 1/10W	Y301 1-515-434-00 Y311 1-515-434-00	
R381 1-216-	-073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W		s SWITCH, DIP 2-CKT s SWITCH, DIP 2-CKT
R384 1-216- R385 1-216- R386 1-216-	-073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -061-00 s METAL, CHIP 3.3K 5% 1/10W	201 1-423-870-11 301 1-424-511-11 311 1-424-511-11	S TRANSFORMER, BIAS OSC S TRANSFORMER, BIAS OSC S TRANSFORMER, FE S TRANSFORMER, FE S TRANSFORMER, FE
R389 △ 1-216-	-061-00 s METAL, CHIP 3.3K 5% 1/10W -397-11 s METAL 4.7 5% 3W		s THERMISTOR SV-1715 1.25k s THERMISTOR SV-1715 1.25k
R393 1-217-	-397-11 s METAL 4.7 5% 3W -671-11 s METAL, CHIP 1 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W	301 1-567-861-21	s CRYSTAL 4.194304MHz
R396 1-216- R397 1-249- R398 1-249-	-073-00 s METAL, CHIP 10K 5% 1/10W -699-11 s METAL, CHIP 100K 0.5% 1/10W -421-11 s CARBON 2.2K 5% 1/4W -421-11 s CARBON 2.2K 5% 1/4W		
R399 1–249-	-421-11 s CARBON 2.2K 5% 1/4W	L-29 BOARD	
R401 1-216- R402 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W	ef. No.	P Description
R401 1-216- R402 1-216- R403 1-216- R404 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W	ef. No. r Q'ty Part No. S pc A-8276-626-B	P Description o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0	ef. No. r Q'ty Part No. S pc A-8276-626-B pc 3-171-424-02	o MOUNTED CIRCUIT BOARD, CL-29
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216- R407 1-216- R408 1-216- R409 1-216- R410 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0 -800-11 s METAL, CHIP 5.6k 0.5% 1/10W -687-11 s METAL, CHIP 33K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -065-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 4.7K 5% 1/10W -089-91 s METAL, CHIP 4.7K 5% 1/10W	ef. No. r Q'ty Part No. S pc A-8276-626-B pc 3-171-424-02 1 1-161-051-00 N930 1-564-011-11 N931 1-564-001-11 N933 1-573-599-11	o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216- R407 1-216- R408 1-216- R409 1-216- R410 1-216- R411 1-216- R412 1-216- R413 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0 -800-11 s METAL, CHIP 5.6k 0.5% 1/10W -687-11 s METAL, CHIP 33K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -065-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -089-91 s METAL, CHIP 47k 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W	ef. No. r Q'ty Part No. S  pc A-8276-626-B pc 3-171-424-02  1 1-161-051-00  N930 1-564-011-11 N931 1-564-001-11 N933 1-573-599-11 N935 1-564-001-11	o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR s CERAMIC 0.01uF 10% 50V o CONNECTOR 12P, MALE o CONNECTOR 2P, MALE s CONNECTOR 5P, FEMALE
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216- R407 1-216- R408 1-216- R409 1-216- R410 1-216- R411 1-216- R412 1-216- R413 1-216- R414 1-216- R415 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0 -800-11 s METAL, CHIP 5.6k 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -085-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 4.7K 5% 1/10W -089-91 s METAL, CHIP 47k 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -057-00 s METAL, CHIP 10K 5% 1/10W	ef. No. r Q'ty Part No. S  pc A-8276-626-B pc 3-171-424-02  1 1-161-051-00  N930 1-564-011-11 N931 1-564-001-11 N933 1-573-599-11 N935 1-564-001-11  1 8-719-938-07 12 8-719-938-07	o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR  s CERAMIC 0.01uF 10% 50V  o CONNECTOR 12P, MALE o CONNECTOR 2P, MALE s CONNECTOR 5P, FEMALE o CONNECTOR 2P, MALE s LED GL480, INFRARED
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216- R407 1-216- R408 1-216- R409 1-216- R410 1-216- R411 1-216- R412 1-216- R413 1-216- R414 1-216- R415 1-216- R415 1-216- R416 1-216- R417 1-216- R417 1-216- R418 1-216- R419 $\triangle$ 1-216- R419 $\triangle$ 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0 -800-11 s METAL, CHIP 5.6k 0.5% 1/10W -687-11 s METAL, CHIP 33K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -065-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 4.7K 5% 1/10W -089-91 s METAL, CHIP 4.7K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W	ef. No. r Q'ty Part No. S  pc A-8276-626-B pc 3-171-424-02  1 1-161-051-00  N930 1-564-011-11 N931 1-564-001-11 N933 1-573-599-11 N935 1-564-001-11  1 8-719-938-07 2 8-719-938-07 2 8-729-903-81 2 8-729-903-81 2 1-247-825-31	o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR  s CERAMIC 0.01uF 10% 50V  o CONNECTOR 12P, MALE o CONNECTOR 2P, MALE s CONNECTOR 5P, FEMALE o CONNECTOR 2P, MALE s LED GL480, INFRARED s LED GL480, INFRARED s PHOTOTRANSISTOR PT480
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216- R407 1-216- R408 1-216- R409 1-216- R410 1-216- R411 1-216- R412 1-216- R413 1-216- R414 1-216- R415 1-216- R415 1-216- R416 1-216- R417 1-216- R418 1-216- R419 △ 1-216- R421 △ 1-216- R423 1-216-	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0 -800-11 s METAL, CHIP 5.6k 0.5% 1/10W -687-11 s METAL, CHIP 33K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -065-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 4.7K 5% 1/10W -089-91 s METAL, CHIP 47k 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -061-00 s METAL, CHIP 3.3K 5% 1/10W -061-00 s METAL, CHIP 3.3K 5% 1/10W -061-00 s METAL, CHIP 3.3K 5% 1/10W	ef. No. r Q'ty Part No. S  pc A-8276-626-B pc 3-171-424-02  1 1-161-051-00  N930 1-564-011-11 N931 1-564-001-11 N933 1-573-599-11 N935 1-564-001-11  1 8-719-938-07 2 8-719-938-07 2 8-729-903-81 2 8-729-903-81 2 1-247-825-31	o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR  s CERAMIC 0.01uF 10% 50V  o CONNECTOR 12P, MALE o CONNECTOR 2P, MALE s CONNECTOR 5P, FEMALE o CONNECTOR 2P, MALE s LED GL480, INFRARED s LED GL480, INFRARED s PHOTOTRANSISTOR PT480 s PHOTOTRANSISTOR PT480 s CARBON 560 5% 1/4W
R401 1-216- R402 1-216- R403 1-216- R404 1-216- R405 1-208- R406 1-216- R407 1-216- R408 1-216- R409 1-216- R410 1-216- R411 1-216- R412 1-216- R413 1-216- R414 1-216- R415 1-216- R416 1-216- R417 1-216- R418 1-216- R419	-057-00 s METAL, CHIP 2.2K 5% 1/10W -081-00 s METAL, CHIP 22K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -295-91 s RES, CHIP 0 -800-11 s METAL, CHIP 5.6k 0.5% 1/10W -687-11 s METAL, CHIP 33K 0.5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -065-00 s METAL, CHIP 4.7K 5% 1/10W -085-00 s METAL, CHIP 33K 5% 1/10W -089-91 s METAL, CHIP 4.7K 5% 1/10W -073-00 s METAL, CHIP 10K 5% 1/10W -073-00 s METAL, CHIP 2.2K 5% 1/10W -057-00 s METAL, CHIP 2.2K 5% 1/10W -057-00 s METAL, CHIP 3.3K 5% 1/10W -057-01 s METAL, CHIP 3.3K 5% 1/10W -057-10 s METAL, CHIP 3.3K 5% 1/10W -057-11 s METAL 4.7 5% 3W -671-11 s METAL 4.7 5% 3W	ef. No. r Q'ty Part No. S  pc A-8276-626-B pc 3-171-424-02  1 1-161-051-00  N930 1-564-011-11 N931 1-564-001-11 N933 1-573-599-11 N935 1-564-001-11  1 8-719-938-07 2 8-719-938-07 2 8-729-903-81 2 8-729-903-81 2 1-247-825-31	o MOUNTED CIRCUIT BOARD, CL-29 o HOLDER, SENSOR  s CERAMIC 0.01uF 10% 50V  o CONNECTOR 12P, MALE o CONNECTOR 2P, MALE s CONNECTOR 5P, FEMALE o CONNECTOR 2P, MALE s LED GL480, INFRARED s LED GL480, INFRARED s PHOTOTRANSISTOR PT480 s PHOTOTRANSISTOR PT480 s CARBON 560 5% 1/4W

#### CP-225 BOARD (UVW-1800/1800P) CP-225A BOARD (UVW-1600/1600P) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description CP-225 board is used for UVW-1800/1800P(J, UC, EK). CP-225A board is used for UVW-1600/1600P(J, UC, EK). A-8276-738-A o MOUNTED CIRCUIT BOARD, CP-225 1pc A-8276-732-A o MOUNTED CIRCUIT BOARD, CP-225A C11-126-933-11 s ELECT 100uF 20% 16V C11-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C5 C3 C6 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C7 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C6 1-573-582-11 s CONNECTOR, BNC, FEMALE CN1 1-573-583-11 s CONNECTOR, BNC, FEMALE C7 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V CN5 1-573-582-11 s CONNECTOR, BNC, FEMALE 1-573-590-13 s CONNECTOR, CIRCULAR 4P(S), FEMALE CN6 1-573-582-11 s CONNECTOR, BNC, FEMALE 1-573-582-11 s CONNECTOR, BNC, FEMALE CN1 CN7 CN2 1-766-596-11 s JACK, PIN 1P CN9 CN3 1-573-590-13 s CONNECTOR, CIRCULAR 4P(S), FEMALE 1-573-582-11 s CONNECTOR, BNC, FEMALE 1-573-582-11 s CONNECTOR, BNC, FEMALE CN5 CN11 1-573-592-11 s CONNECTOR, CIRCULAR 12P, FEMALE 1-564-014-11 s CONNECTOR 4P, MALE CN6 CN651 CN652 1-506-486-11 s CONNECTOR 7P, MALE 1--573--590--13 s CONNECTOR, CIRCULAR 4P(S), FEMALE 1--766--596--11 s JACK, PIN 1P CN7 1-506-485-11 s CONNECTOR 6P, MALE CN653 CN9 CN655 1-506-493-11 s CONNECTOR 14P, MALE 1-573-589-11 s CONNECTOR, CIRCULAR 12P, MALE CN10 1-573-592-11 s CONNECTOR, CIRCULAR 12P, FEMALE CN656 1-564-001-11 o CONNECTOR 2P, MALE CN11 CN651 1-564-014-11 s CONNECTOR 4P, MALE 1-236-129-11 s FILTER, NOISE FL6 CN652 1-506-486-11 s CONNECTOR 7P, MALE FL7 1-236-129-11 s FILTER, NOISE 1-506-485-11 s CONNECTOR 6P, MALE 1-506-491-11 s CONNECTOR 12P, MALE 1-236-129-11 s FILTER, NOISE CN653 FL8 1-236-129-11 s FILTER, NOISE CN654 FL9 CN655 1-506-493-11 s CONNECTOR 14P, MALE FL10 1-236-129-11 s FILTER, NOISE CN656 1-564-001-11 o CONNECTOR 2P, MALE FL11 1-236-129-11 s FILTER, NOISE 1-236-058-11 s FILTER, NOISE FL3 1-236-129-11 s FILTER, NOISE FL12 1-236-058-11 s FILTER, NOISE FL4 1-236-129-11 s FILTER, NOISE FL5 JW2 1-219-202-11 s RES 0 1-236-129-11 s FILTER, NOISE 1-219-202-11 s RES 0 FL6 JW8 1-219-202-11 s RES 0 1-236-129-11 s FILTER, NOISE JW9 FL7 JW13 1-219-202-11 s RES 0 FL8 1-236-129-11 s FILTER, NOISE JW16 1-219-202-11 s RES 0 1-236-129-11 s FILTER, NOISE FL9 1-236-129-11 s FILTER, NOISE 8-729-117-32 s TRANSISTOR 2SC4177 FL10 Q1 1-236-129-11 s FILTER, NOISE FL11 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-236-129-11 s FILTER, NOISE FL12 R1 R2 JW1-JW9 1-219-202-11 s RES 0 R3 1-216-045-00 s METAL, CHIP 680 5% 1/10W JW13-17 1-219-202-11 s RES 0 R4 R9 1-216-009-00 s METAL, CHIP 22 5% 1/10W 8-729-117-32 s TRANSISTOR 2SC4177 01 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W Q2 8-729-117-32 s TRANSISTOR 2SC4177 R16 1--216--025--91 s METAL, CHIP 100 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R1 1-570-157-51 s SWITCH, SLIDE S1 R2 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W R3 R4 R5 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R6 R7 1-216-045-00 s METAL, CHIP 680 5% 1/10W**R8** 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W R10 R11-R16 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-570-157-51 s SWITCH, SLIDE

S2

53

1-570-157-51 s SWITCH, SLIDE

1-570-756-11 s SWITCH, SLIDE

CP-226 BOARD (UVW-1800/1800P)	CP-226J BOARD (UVW-1800)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
CP-226 board is used for UVW-1800/1800P(UC,EK).	CP-226J board is used for UVW-1800(J).
1pc A-8276-739-A o MOUNTED CIRCUIT BOARD, CP-226	1pc A-8276-762-A o MOUNTED CIRCUIT BOARD, CP-226J
C1 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C21 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V	C1 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V C21 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V
CN101 1-750-786-11 s CONNECTOR, XLR 3P, FEMALE CN102 1-750-785-11 s CONNECTOR, XLR 3P, MALE CN274 1-506-486-11 s CONNECTOR 7P, MALE CN275 1-506-485-11 s CONNECTOR 6P, MALE CN276 1-564-001-11 o CONNECTOR 2P, MALE	CN101 1-750-785-11 s CONNECTOR, XLR 3P, MALE CN102 1-750-786-11 s CONNECTOR, XLR 3P, FEMALE CN274 1-506-486-11 s CONNECTOR 7P, MALE CN275 1-506-485-11 s CONNECTOR 6P, MALE CN276 1-564-001-11 o CONNECTOR 2P, MALE
R1 1-216-295-91 s RES, CHIP 0 R2 1-216-295-91 s RES, CHIP 0 R5 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R6 1-216-295-91 s RES, CHIP 0 R7 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R3
R8 1-216-295-91 s RES, CHIP 0 R11 1-216-295-91 s RES, CHIP 0 R12 1-216-295-91 s RES, CHIP 0 R21 1-216-295-91 s RES, CHIP 0 R22 1-216-295-91 s RES, CHIP 0	R9 1-216-295-91 s RES, CHIP 0 R10 1-216-295-91 s RES, CHIP 0 R12 1-216-295-91 s RES, CHIP 0 R23 1-216-295-91 s RES, CHIP 0 R24 1-216-295-91 s RES, CHIP 0
R25 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R27 1-216-025-91 s METAL, CHIP 100 5% 1/10W R28 1-216-295-91 s RES, CHIP 0 R31 1-216-295-91 s RES, CHIP 0	R25 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R27 1-216-025-91 s METAL, CHIP 100 5% 1/10W R29 1-216-295-91 s RES, CHIP 0 R30 1-216-295-91 s RES, CHIP 0
S1 1-570-157-11 s SWITCH, SLIDE S2 1-570-157-11 s SWITCH, SLIDE	S1 1-570-157-11 s SWITCH, SLIDE S2 1-570-157-11 s SWITCH, SLIDE
T1 1-427-586-11 s TRANSFORMER, INPUT/OUTPUT 1-427-586-11 s TRANSFORMER, INPUT/OUTPUT	T1 1-427-586-11 s TRANSFORMER, INPUT/OUTPUT 1-427-586-11 s TRANSFORMER, INPUT/OUTPUT

# CP-226A BOARD (UVW-1600/1600P)

Ref. No.

or Q'ty Part No. SP Description

CP-226A board is used for UVW-1600/1600P(UC,EK).

01 22011	board is about for over 1000/10001 (00, bit).
1pc	A-8276-733-A o MOUNTED CIRCUIT BOARD, CP-226A
C1 C21	1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V
CN274	1-750-785-11 s CONNECTOR, XLR 3P, MALE 1-506-486-11 s CONNECTOR 7P, MALE 1-564-001-11 o CONNECTOR 2P, MALE
R11 R12	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R28 R31	1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0
T1 T2	1-427-586-11 s TRANSFORMER, INPUT/OUTPUT 1-427-586-11 s TRANSFORMER, INPUT/OUTPUT

# CP-226AJ BOARD (UVW-1600)

Ref. No.

or Q'ty Part No. SP Description

CP-226AJ	board is used for UVW-1600(J).
1pc	A-8276-763-A o MOUNTED CIRCUIT BOARD, CP-226AJ
C1 C21	1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V
CN102 CN274 CN276	
R9 R10	1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0
R29 R30	1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0
T1 T2	1-427-586-11 s TRANSFORMER, INPUT/OUTPUT 1-427-586-11 s TRANSFORMER, INPUT/OUTPUT

## CP-237 BOARD

Ref. No.

or Q'ty Part No. SP Description

CP-237 board is used for UVW-1800/1800P(J,UC,EK).

A-8276-741-A o MOUNTED CIRCUIT BOARD, CP-237 1pc

1-764-259-11 s CONNECTOR, D-SUB 15P, MALE 1-573-566-11 s CONNECTOR, D-SUB 9P, FEMALE 1-563-462-11 o CONNECTOR, FPC 17P CN501 CN502

CN532

# http://getMANUAL.com

DR-214 BOARD	(DR-214 BOARD)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
1pc       A-8275-290-A o MOUNTED CIRCUIT BOARD, DR-214         6pcs       4-911-232-01 s SHEET, INSULATING         1pc       3-182-357-01 o HEAT SINK (L), DR         1pc       3-182-358-01 o HEAT SINK (R), DR         1pc       3-183-144-01 o HEAT SINK (D), DR	C261
16pcs 7-682-548-04 s SCREW, +B3x8 3pcs 9-911-841-XX s CUSHION (B)	C305 1-126-160-11 s ELECT 1uF 20% 50V C306 1-126-096-11 s ELECT 10uF 20% 35V
C1,C2 1-126-940-11 s ELECT 330uF 20% 25V C3 1-126-933-11 s ELECT 100uF 20% 16V C4 1-126-933-11 s ELECT 100uF 20% 16V	C308
C5 1-124-589-11 s ELECT 47uF 20% 16V C6 1-125-404-00 s DOUBLE LAYERS 0.47F 5.5V	C311 1-161-494-00 s CERAMIC 0.022uF 25V C313 1-130-491-00 s MYLAR 0.047uF 5% 50V C314 1-130-495-00 s MYLAR 0.1uF 5% 50V
C7	C315 1-130-495-00 s MYLAR 0.1uF 5% 50V C316 1-130-491-00 s MYLAR 0.047uF 5% 50V
C52	C317
C54	C320 1-126-096-11 s ELECT 10uF 20% 35V C321 1-162-290-31 s CERAMIC 470PF 10% 50V
C57 1-130-489-00 s MYLAR 0.033uF 5% 50V C58 1-126-096-11 s ELECT 10uF 20% 35V	C322 1-162-282-31 s CERAMIC 100PF 10% 50V C323 1-162-282-31 s CERAMIC 100PF 10% 50V C324 1-126-096-11 s ELECT 10uF 20% 35V
C59	C325 1-161-494-00 s CERAMIC 0. 022uF 25V C326 1-161-494-00 s CERAMIC 0. 022uF 25V
C62 1-164-097-11 s CERAMIC 0.022uF 50V C101 1-164-095-11 s CERAMIC 0.01uF 10% 16V	C327 1-161-494-00 s CERAMIC 0.022uF 25V C328 1-130-495-00 s MYLAR 0.1uF 5% 50V C331 1-130-487-00 s MYLAR 0.022uF 5% 50V
C102 1-130-489-00 s MYLAR 0.033uF 5% 50V C103 1-164-035-11 s CERAMIC 47pF 5% 50V C104 1-164-035-11 s CERAMIC 47pF 5% 50V	C332 1-126-096-11 s ELECT 10uF 20% 35V C333 1-130-495-00 s MYLAR 0. 1uF 5% 50V
C151-155 1-126-096-11 s ELECT 10uF 20% 35V C152 1-126-096-11 s ELECT 10uF 20% 35V	C335 1-130-491-00 s MYLAR 0.047uF 5% 50V C337 1-162-288-31 s CERAMIC 330PF 10% 50V C339 1-131-388-00 s TANTALUM 68uF 10% 6.3V
C153	C340 1-131-388-00 s TANTALUM 68uF 10% 6.3V C341 1-124-248-00 s ELECT 22uF 20% 35V
C156 1-164-095-11 s CERAMIC 0.01uF 10% 16V C201 1-124-248-00 s ELECT 22uF 20% 35V	C343
C202 1-124-248-00 s ELECT 22uF 20% 35V C203 1-124-248-00 s ELECT 22uF 20% 35V C204 1-124-248-00 s ELECT 22uF 20% 35V	CN300 1-573-600-21 s CONNECTOR, PHEC 100P, MALE CN301 1-563-017-11 o CONNECTOR, FPC 30P
C205 1-130-489-00 s MYLAR 0.033uF 5% 50V C206 1-130-489-00 s MYLAR 0.033uF 5% 50V	CN302 1-563-017-11 o CONNECTOR, FPC 30P CN303 1-563-017-11 o CONNECTOR, FPC 30P
C207 1-164-035-11 s CERAMIC 47pF 5% 50V C208 1-164-035-11 s CERAMIC 47pF 5% 50V C209 1-164-035-11 s CERAMIC 47pF 5% 50V	D1 8-719-986-73 s DIODE RB441Q D151-156 8-719-200-02 s DIODE 10E2 D301 8-719-911-19 s DIODE 1SS119
C210 1-164-097-11 s CERAMIC 0.022uF 50V C211 1-164-097-11 s CERAMIC 0.022uF 50V	D302 8-719-911-19 s DIODE 1SS119 D303 8-719-911-19 s DIODE 1SS119
C212 1-164-035-11 s CERAMIC 47pF 5% 50V C251 1-124-248-00 s ELECT 22uF 20% 35V C252 1-124-248-00 s ELECT 22uF 20% 35V	D304 8-719-911-19 s DIODE 1SS119 D306 8-719-911-19 s DIODE 1SS119
C253 1-124-248-00 s ELECT 22uF 20% 35V C254 1-124-248-00 s ELECT 22uF 20% 35V	IC1 8-759-603-69 s IC M51957BL IC51 8-759-106-41 s IC UPC4570C IC52 8-759-801-95 s IC LB1620
C255 1-130-489-00 s MYLAR 0.033uF 5% 50V C256 1-130-489-00 s MYLAR 0.033uF 5% 50V C257 1-164-097-11 s CERAMIC 0.022uF 50V	IC151 8-759-205-56 s IC TA7267P IC152 8-759-205-56 s IC TA7267P
C258 1-164-097-11 s CERAMIC 0.022uF 50V C259 1-164-035-11 s CERAMIC 47pF 5% 50V	IC153 8-759-205-56 s IC TA7267P IC201 8-759-106-41 s IC UPC4570C IC251 8-759-106-41 s IC UPC4570C
C260 1-164-035-11 s CERAMIC 47pF 5% 50V	IC301 8-759-106-41 s IC UPC4570C

(DR-214 DOMRD)	(DR-214 DORRD)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
IC302 8-759-106-41 s IC UPC4570C IC303 8-759-729-03 s IC NJM2903D IC304 8-759-106-41 s IC UPC4570C IC305 8-759-106-41 s IC UPC4570C IC306 8-759-729-03 s IC NJM2903D	R60 1-249-406-11 s CARBON 120 5% 1/4W R101 1-247-887-00 s CARBON 220K 5% 1/4W R102 △ 1-215-863-11 s METAL 100 5% 1W R103 △ 1-215-863-11 s METAL 100 5% 1W R104 △ 1-216-383-11 s METAL 0.33 5% 3₩
IC307 8-759-140-53 s IC UPD4053BC IC308 8-759-800-72 s IC LA7205 IC310 8-743-914-00 s IC BX3914 IC311 8-759-705-58 s IC NJM4558D-D IC313 8-759-140-53 s IC UPD4053BC	R105
L1 1-412-533-21 s INDUCTOR 47uH	R151 1-249-429-11 s CARBON 10K 5% 1/4W
PS1 1-532-679-00 s LINK, IC 0.6A PS2 1-532-679-00 s LINK, IC 0.6A	R152
Q1 8-729-900-89 s TRANSISTOR DTC144ES Q51 8-729-265-52 s TRANSISTOR 2SC2655-Y Q52 8-729-021-83 s TRANSISTOR 2SA1020-Y-TPE6 Q53 8-729-400-12 s TRANSISTOR 2SB941-P Q101 8-729-265-52 s TRANSISTOR 2SC2655-Y	R161 1-247-887-00 s CARBON 220K 5% 1/4W R162 △ 1-215-863-11 s METAL 100 5% 1W R163 △ 1-215-867-00 s METAL 470 5% 1W R164 △ 1-215-868-00 s METAL 680 5% 1W R165 △ 1-216-383-11 s METAL 0.33 5% 3W
Q102 8-729-021-83 s TRANSISTOR 2SA1020-Y-TPE6 Q103 8-729-400-12 s TRANSISTOR 2SB941-P Q151 8-729-265-52 s TRANSISTOR 2SC2655-Y Q152 8-729-141-83 s TRANSISTOR 2SA473-Y Q153 8-729-265-52 s TRANSISTOR 2SC2655-Y	R166
Q154 8-729-400-12 s TRANSISTOR 2SB941-P Q155 8-729-021-83 s TRANSISTOR 2SA1020-Y-TPE6 Q201 8-729-265-52 s TRANSISTOR 2SC2655-Y Q202 8-729-021-83 s TRANSISTOR 2SA1020-Y-TPE6 Q203 8-729-102-47 s TRANSISTOR 2SA1141-Q	R203 1-249-417-11 s CARBON 1K 5% 1/4W R204 1-249-429-11 s CARBON 1K 5% 1/4W R205 1-249-417-11 s CARBON 1K 5% 1/4W R206 △ 1-215-863-11 s METAL 100 5% 1W R207 △ 1-215-889-00 s METAL 330 5% 2W
Q204 8-729-102-57 s TRANSISTOR 2SC3012 Q205 8-729-102-14 s TRANSISTOR 2SD1021-F Q206 8-729-205-02 s TRANSISTOR 2SA1150-Y Q207 8-729-102-47 s TRANSISTOR 2SA1141-Q Q208 8-729-102-57 s TRANSISTOR 2SC3012	R208
Q251 8-729-265-52 s TRANSISTOR 2SC2655-Y Q252 8-729-021-83 s TRANSISTOR 2SA1020-Y-TPE6 Q253 8-729-102-47 s TRANSISTOR 2SA1141-Q Q254 8-729-102-57 s TRANSISTOR 2SC3012 Q255 8-729-102-14 s TRANSISTOR 2SD1021-F	R213 1-249-429-11 s CARBON 10K 5% 1/4W R214 1-249-437-11 s CARBON 47K 5% 1/4W R215 1-249-429-11 s CARBON 10K 5% 1/4W R216 1-249-429-11 s CARBON 10K 5% 1/4W R217 1-249-437-11 s CARBON 47K 5% 1/4W
Q256 8-729-205-02 s TRANSISTOR 2SA1150-Y Q257 8-729-102-47 s TRANSISTOR 2SA1141-Q Q258 8-729-102-57 s TRANSISTOR 2SC3012 Q301 8-729-900-89 s TRANSISTOR DTC144ES Q302 8-729-900-89 s TRANSISTOR DTC144ES	R218 1-249-437-11 s CARBON 47K 5% 1/4W R219 1-249-429-11 s CARBON 10K 5% 1/4W R220 1-249-437-11 s CARBON 47K 5% 1/4W R221 △ 1-216-365-00 s METAL 0.47 5% 2W R251 1-249-429-11 s CARBON 10K 5% 1/4W
Q303 8-729-119-76 s TRANSISTOR 2SA1115P	R252 1-249-417-11 s CARBON 1K 5% 1/4W
R1	R253 1-249-417-11 s CARBON 1K 5% 1/4W R254 1-249-429-11 s CARBON 1K 5% 1/4W R255 1-249-417-11 s CARBON 1K 5% 1/4W R256 △ 1-215-863-11 s METAL 100 5% 1W
R52 1-249-429-11 s CARBON 10K 5% 1/4W R53	R257
R57 1-249-393-11 s CARBON 10 5% 1/4W R58 1-249-393-11 s CARBON 10 5% 1/4W R59 1-249-408-11 s CARBON 180 5% 1/4W	R262 1-249-437-11 s CARBON 47K 5% 1/4W R263

(DR-214 BOARD)

#### (DR-214 BOARD)

(DR DII	
Ref. No. or Q'ty	Part No. SP Description
R266 R267 R268 R269 R270	1-249-429-11 s CARBON 10K 5% 1/4W 1-249-437-11 s CARBON 47K 5% 1/4W 1-249-437-11 s CARBON 47K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-216-365-00 s METAL 0.47 5% 2W
R271	1-249-437-11 s CARBON 47K 5% 1/4W
R301	1-249-417-11 s CARBON 1K 5% 1/4W
R302	1-249-417-11 s CARBON 1K 5% 1/4W
R303	1-249-417-11 s CARBON 1K 5% 1/4W
R304	1-249-417-11 s CARBON 1K 5% 1/4W
R305	1-247-863-91 s CARBON 22k 5% 1/4W
R306	1-247-863-91 s CARBON 22k 5% 1/4W
R307	1-249-441-11 s CARBON 100K 5% 1/4W
R308	1-249-426-11 s CARBON 5.6K 5% 1/4W
R309	1-249-429-11 s CARBON 10K 5% 1/4W
R310 R311 R312 R313 R314	1-249-429-11 s CARBON 10K 5% 1/4W 1-249-441-11 s CARBON 100K 5% 1/4W 1-249-441-11 s CARBON 100K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-247-863-91 s CARBON 22k 5% 1/4W
R315 R316 R317 R318 R319	1-249-417-11 s CARBON 1K 5% 1/4W 1-247-895-91 s CARBON 470K 5% 1/4W 1-249-421-11 s CARBON 2. 2K 5% 1/4W 1-249-421-11 s CARBON 2. 2K 5% 1/4W 1-215-429-00 s METAL 2. 2K 1% 1/6W
R320	1-215-429-00 s METAL 2.2K 1% 1/6W
R321	1-215-461-00 s METAL 47K 1% 1/6W
R322	1-215-461-00 s METAL 47K 1% 1/6W
R323	1-249-426-11 s CARBON 5.6K 5% 1/4W
R324	1-249-426-11 s CARBON 5.6K 5% 1/4W
R325	1-215-481-00 s METAL 330K 1% 1/6W
R326	1-249-441-11 s CARBON 100K 5% 1/4W
R327	1-249-435-11 s CARBON 33K 5% 1/4W
R328	1-249-441-11 s CARBON 100K 5% 1/4W
R329	1-249-429-11 s CARBON 10K 5% 1/4W
R330 R331 R332 R333 R334	1-249-441-11 s CARBON 100K 5% 1/4W 1-249-435-11 s CARBON 33K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-249-441-11 s CARBON 100K 5% 1/4W 1-215-481-00 s METAL 330K 1% 1/6W
R335	1-247-903-00 s CARBON 1M 5% 1/4W
R336	1-247-903-00 s CARBON 1M 5% 1/4W
R337	1-249-429-11 s CARBON 10K 5% 1/4W
R338	1-249-429-11 s CARBON 10K 5% 1/4W
R339	1-249-437-11 s CARBON 47K 5% 1/4W
R340	1-249-425-11 s CARBON 4.7K 5% 1/4W
R341	1-215-419-00 s METAL 820 1% 1/6W
R342	1-249-425-11 s CARBON 4.7K 5% 1/4W
R343	1-249-437-11 s CARBON 47K 5% 1/4W
R344	1-215-461-00 s METAL 47K 1% 1/6W
R345	1-215-461-00 s METAL 47K 1% 1/6W
R346	1-249-418-11 s CARBON 1.2K 5% 1/4W
R347	1-249-437-11 s CARBON 47K.5% 1/4W
R349	1-249-429-11 s CARBON 10K 5% 1/4W
R350	1-249-427-11 s CARBON 6.8K 5% 1/4W
R351 R352 R353 R354	1-259-882-11 s CARBON 3.3M 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W

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(DR-214 BOARD)
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Ref. No. or Q'ty Part No. SP Description R356 1-249-427-11 s CARBON 6.8K 5% 1/4W R357 1-249-425-11 s CARBON 4.7K 5% 1/4W R358 \( \Delta \) 1-215-886-11 s METAL 100 5% 2W

#### HP-61 BOARD

RV1

Ref. No. or Q'ty Part No. SP Description HP-61 board is used for UVW-1800/1800p(J,UC,EK). 1-648-917-12 o PRINTED CIRCUIT BOARD, HP-61 1pc 1-506-475-11 s CONNECTOR 10P, MALE CN401 CN403 1-564-002-41 s CONNECTOR 3P, MALE J1 1-565-327-11 s JACK, PHONE STEREO 1-507-743-21 s JACK, MINI STEREO J2 1-219-202-11 s RES 0 1-219-202-11 s RES 0 JW2

1-241-577-11 s RES, VAR CARBON 20k/20k

#### KY-249 BOARD (UVW-1800/1800P)

Ref. No. or Q'ty Part No. SP Description KY-249 board is used for UVW-1800/1800P(J, UC, EK). A-8275-289-A o MOUNTED CIRCUIT BOARD, KY-249 lpc 3-182-359-02 o HOLDER, VFD lpc C1 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C31-163-033-91 s CERAMIC, CHIP 0.022uF 50V C4 1-126-394-11 s ELECT, CHIP 10uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C5 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C6 C7 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C8 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-400-11 s ELECT, CHIP 22uF 20% 35V 1-126-400-11 s ELECT, CHIP 22uF 20% 35V C14 C15 C16-C20 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C21 C22 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C25 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C26 CN590 1-506-494-11 s CONNECTOR 15P, MALE CN591 1-563-003-21 o CONNECTOR, FPC 20P CN592 1-564-014-11 s CONNECTOR 4P, MALE 1-563-003-21 o CONNECTOR, FPC 20P CN593 8-719-123-85 s DIODE 1SS304 D2-D11 8-719-123-82 s DIODE 1SS303-T1 8-759-505-99 s IC MSC7128-04GS-V1K 8-759-150-61 s IC UPC78L05T IC1 IC2 8-759-194-79 s IC UPD75028GC-542-AB8 IC3 IC6 8-759-925-74 s IC TC74HC04ANS ND1 1-517-246-11 s UNIT, FLD Q1-Q8 8-729-924-19 s TRANSISTOR DTA123JU Q9-Q33 8-729-905-12 s TRANSISTOR DTA144EU Q34 8-729-924-19 s TRANSISTOR DTA123JU 8-729-924-19 s TRANSISTOR DTA123JU Q35 Q36-Q41 8-729-905-12 s TRANSISTOR DTA144EU Q42 8-729-924-19 s TRANSISTOR DTA123JU R1 1-216-049-91 s METAL, CHIP 1k 5% 1/10W1-216-089-91 s METAL, CHIP 47k 5% 1/10WR3 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R4 R5 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R6 R7-R19 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R22 1-216-027-00 s METAL, CHIP 120 5% 1/10W 1-216-027-00 s METAL, CHIP 120 5% 1/10W 1-216-027-00 s METAL, CHIP 120 5% 1/10W R23 R25 1-216-027-00 s METAL, CHIP 120 5% 1/10W R27 1-216-027-00 s METAL, CHIP 120 5% 1/10W 1-216-027-00 s METAL, CHIP 120 5% 1/10W R29-R63 1-216-103-91 s METAL, CHIP 180k 5% 1/10W R76 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R77-R82 1-216-083-00 s METAL, CHIP 27K 5% 1/10W 1--216--103--91 s METAL, CHIP 180k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W **R83** R84 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R85 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R1021 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R1022

1-237-695-11 s RES, VAR CARBON 5K

#### (KY-249 BOARD (UVW-1800/1800P))

Ref. No. or Q'ty	Part No. SP Description
RV2	1-237-695-11 s RES, VAR CARBON 5K
\$1 \$2 \$3 \$4 \$5	1-692-892-11 s SWITCH, PUSH 1-692-892-21 s SWITCH, PUSH 1-692-890-41 s SWITCH, PUSH 1-692-890-31 s SWITCH, PUSH 1-692-890-21 s SWITCH, PUSH
\$7 \$8 \$9 \$10 \$11	1-692-891-21 s SWITCH, PUSH 1-571-787-31 s SWITCH, PUSH 1-571-787-31 s SWITCH, PUSH 1-571-787-31 s SWITCH, PUSH 1-571-787-31 s SWITCH, PUSH
\$12 \$13 \$14 \$15 \$16	1-571-787-31 s SWITCH, PUSH
S19	1-572-992-11 s SWITCH, SLIDE 1-571-787-31 s SWITCH, PUSH 1-571-640-21 s SWITCH, SLIDE 1-571-640-21 s SWITCH, SLIDE 1-571-640-21 s SWITCH, SLIDE
X1	1-577-101-11 s RESONATOR, CERAMIC 4.19MHz

RV1

## KY-249A BOARD (UVW-1600/1600P)

Ref. No.

or Q'ty Part No. SP Description

KY-249A board is used for UVW-1600/1600P(J,UC,EK).

5.011	board 15 daed 101 01# 1000/10001 (J, 00, DR).
-	A-8275-283-A o MOUNTED CIRCUIT BOARD, KY-249A 3-182-359-02 o HOLDER, VFD
C3 C4 C5	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-394-11 s ELECT, CHIP 10uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C8 C14 C15	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-400-11 s ELECT, CHIP 22uF 20% 35V 1-126-400-11 s ELECT, CHIP 22uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C22 C25	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V
CNEOO	1 EOC AOA 11 a COMMECTOD 1ED MALE

CN590 1-506-494-11 s CONNECTOR 15P, MALE CN591 1-563-003-21 o CONNECTOR, FPC 20P CN592 1-564-014-11 s CONNECTOR 4P, MALE CN593 1-563-003-21 o CONNECTOR, FPC 20P

D1 8-719-123-85 s DIODE 1SS304 D2-D11 8-719-123-82 s DIODE 1SS303-T1

IC1 8-759-505-99 s IC MSC7128-04GS-V1K IC2 8-759-150-61 s IC UPC78L05T IC3 8-759-194-79 s IC UPD75028GC-542-AB8

IC6 8-759-925-74 s IC TC74HC04ANS

ND1

Q1-Q8 8-729-924-19 s TRANSISTOR DTA123JU Q9-Q33 8-729-905-12 s TRANSISTOR DTA144EU Q34 8-729-924-19 s TRANSISTOR DTA123JU Q35 8-729-924-19 s TRANSISTOR DTA123JU Q36-Q40 8-729-905-12 s TRANSISTOR DTA144EU

1-517-246-11 s UNIT, FLD

Q42 8-729-924-19 s TRANSISTOR DTA123JU

R1 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R3 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R4 1-216-081-00 s METAL, CHIP 22K 5% 1/10W

R4 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R5 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R6 1-216-089-91 s METAL, CHIP 47k 5% 1/10W

R26 1-216-027-00 s METAL, CHIP 120 5% 1/10W R27 1-216-027-00 s METAL, CHIP 120 5% 1/10W R29-R63 1-216-103-91 s METAL, CHIP 180k 5% 1/10W

R29-R63 1-216-103-91 s METAL, CHIP 180k 5% 1/10W R76 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R77-R81 1-216-083-00 s METAL, CHIP 27K 5% 1/10W

RV1 1-237-695-11 s RES, VAR CARBON 5K

(KY-249A BOARD(UVW-1600/1600P))

Ref. No.

or Q'ty Part No. SP Description

RV2 1-237-695-11 s RES, VAR CARBON 5K

\$1 1-692-892-11 s SWITCH, PUSH \$2 1-692-892-21 s SWITCH, PUSH \$3 1-692-890-41 s SWITCH, PUSH \$4 1-692-890-31 s SWITCH, PUSH

S5 1-692-890-21 s SWITCH, PUSH

S8 1-571-787-31 s SWITCH, PUSH S9 1-571-787-31 s SWITCH, PUSH S10 1-571-787-31 s SWITCH, PUSH S11 1-571-787-31 s SWITCH, PUSH

S12 1-571-787-31 s SWITCH, PUSH S13 1-571-787-31 s SWITCH, PUSH

S21 1-571-640-21 s SWITCH, SLIDE

X1 1-577-101-11 s RESONATOR, CERAMIC 4.19MHz

# MB-470 BOARD (UVW-1800)

Ref. No.

or Q'ty Part No. SP Description

MB-470 board is used for UVW-1800(J,UC).

MD-470 D	valu is used for ovm-1000(j, 00).
1nc	A-8276-736-A o MOUNTED CIRCUIT BOARD, MB-470
	3-683-631-01 o CLAMP
	9-911-841-99 s CUSHION (B)
	· · · · · · · · · · · · · · · · · · ·
C1	1-126-964-11 s ELECT 10uF 20% 50V
C2	1-126-964-11 s ELECT 10uF 20% 50V
CN101	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN102	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN103	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN104	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN106	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN107	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN108	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN109	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN200	1-564-905-11 o CONNECTOR, VH 9P, MALE
	1-564-512-11 o CONNECTOR 9P, MALE
CN211	1-506-491-11 s CONNECTOR 12P, MALE
CN214	1-580-195-21 s CONNECTOR, PHEC 100P, FEMALE
CN231	1-563-018-11 o CONNECTOR, FPC 34P
CN232	1-580-195-21 s CONNECTOR, PHEC 100P, FEMALE 1-563-018-11 o CONNECTOR, FPC 34P 1-563-462-11 o CONNECTOR, FPC 17P
CN235	1-506-482-11 s CONNECTOR 3P, MALE
CN262	1-506-494-11 s CONNECTOR 15P, MALE 1-506-469-11 s CONNECTOR 4P, MALE 1-506-472-11 s CONNECTOR 7P, MALE
CN266	1-506-469-11 s CONNECTOR 4P, MALE
CN267	1-506-472-11 s CONNECTOR 7P, MALE
CN268	1-506-479-11 s CONNECTOR 14P, MALE
CN269	1-564-005-11 o CONNECTOR 6P, MALE
CN271	1-564-011-11 o CONNECTOR 12P, MALE
D1 A	1 FOO FEE OL DUOD 1 OF LOCK
	1-532-777-21 s FUSE 1.25A 125V
	1-532-777-21 s FUSE 1.25A 125V
F3 <b>△</b>	1-532-777-21 s FUSE 1.25A 125V
IC1	9 750 701 50 a 10 NIM79MOOFA
	8-759-701-59 s IC NJM78M09FA 8-759-982-54 s IC RC79M09FA
102	0-109-904-04 S 10 RC/9MU9FA

### MB-470P BOARD (UVW-1800P)

Ref. No.

or Q'ty Part No. SP Description

MB-470P board is used for UVW-1800P(EK).

1pc	A-8276-854-A o MOUNTED CIRCUIT BOARD, MB-470P 3-683-631-01 o CLAMP 9-911-841-99 s CUSHION (B)
C1 C2	1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V
CN102	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE
CN107 CN108 CN109	1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-564-905-11 o CONNECTOR, VH 9P, MALE
CN211 CN214 CN231	1-564-512-11 o CONNECTOR 9P, MALE 1-506-491-11 s CONNECTOR 12P, MALE 1-580-195-21 s CONNECTOR, PHEC 100P, FEMALE 1-563-018-11 o CONNECTOR, FPC 34P 1-563-462-11 o CONNECTOR, FPC 17P
CN267	
	1-564-005-11 o CONNECTOR 6P, MALE 1-564-011-11 o CONNECTOR 12P, MALE
IC1 IC2	8-759-701-59 s IC NJM78M09FA 8-759-982-54 s IC RC79M09FA



#### MB-470A BOARD (UVW-1600) MB-470AP BOARD (UVW-1600P) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description MB-470A board is used for UVW-1600(J, UC). MB-470AP board is used for UVW-1600P(EK). A-8276-730-A o MOUNTED CIRCUIT BOARD, MB-470A A-8276-855-A o MOUNTED CIRCUIT BOARD, MB-470AP 1pc 1pc 3-683-631-01 o CLAMP 3-683-631-01 o CLAMP 1pc lpc 9-911-841-99 s CUSHION (B) 9-911-841-99 s CUSHION (B) 1pc 1pc C1 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V C2 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V C21-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN103 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN103 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN104 CN104 CN105 CN105 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN106 CN106 CN107 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN107 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN108 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE CN108 1-573-784-91 o CONNECTOR, DIN 60P, FEMALE 1-564-905-11 o CONNECTOR, VH 9P, MALE 1-564-512-11 o CONNECTOR 9P, MALE $1\mbox{-}573\mbox{-}784\mbox{-}91$ o CONNECTOR, DIN 60P, FEMALE $1\mbox{-}564\mbox{-}905\mbox{-}11$ o CONNECTOR, VH 9P, MALE CN109 CN109 CN200 CN200 CN201 1-564-512-11 o CONNECTOR 9P, MALE CN201 CN211 1-506-491-11 s CONNECTOR 12P, MALE CN211 1-506-491-11 s CONNECTOR 12P. MALE CN214 1-580-195-21 s CONNECTOR, PHEC 100P, FEMALE CN214 1-580-195-21 s CONNECTOR, PHEC 100P, FEMALE CN231 1-563-018-11 o CONNECTOR, FPC 34P 1-563-018-11 o CONNECTOR, FPC 34P CN231 1-563-462-11 o CONNECTOR, FPC 17P CN232 CN232 1-563-462-11 o CONNECTOR, FPC 17P CN235 1-506-482-11 s CONNECTOR 3P, MALE CN235 1-506-482-11 s CONNECTOR 3P, MALE 1-506-494-11 s CONNECTOR 15P, MALE CN262 CN262 1-506-494-11 s CONNECTOR 15P, MALE CN266 1-506-469-11 s CONNECTOR 4P, MALE CN266 1-506-472-11 s CONNECTOR 7P, MALE CN267 CN267 CN268 1-506-479-11 s CONNECTOR 14P, MALE CN268 1-506-479-11 s CONNECTOR 14P, MALE CN269 1-564-005-11 o CONNECTOR 6P, MALE CN269 1-564-005-11 o CONNECTOR 6P, MALE △ 1-532-777-21 s FUSE 1.25A 125V 8-759-701-59 s IC NJM78M09FA F2 △ 1-532-777-21 s FUSE 1.25A 125V IC2 8-759-982-54 s IC RC79M09FA F3 △ 1-532-777-21 s FUSE 1.25A 125V $\triangle$ 1-532-840-21 s LINK, IC 1.25A PS1 IC1 8-759-701-59 s IC NJM78M09FA PS2 △ 1-532-840-21 s LINK, IC 1.25A

△ 1-532-840-21 s LINK, IC 1.25A

IC2

8-759-982-54 s IC RC79M09FA

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MB-471 BOARD (UVW-1800/1800P)
                                                                      MS-39 BOARD (UVW-1800/1800P)
Ref. No.
                                                                      Ref. No.
or Q'ty Part No.
                    SP Description
                                                                      or Q'ty Part No. SP Description
MB-471 board is used for UVW-1800/1800P(J, UC, EK).
                                                                      MS-39 board is used for UVW-1800/1800P(J, UC, EK).
                                                                                A-8275-291-A o MOUNTED CIRCUIT BOARD. M
         A-8276-737-A o MOUNTED CIRCUIT BOARD, MB-471
                                                                      1pc
                                                                                3-182-355-02 o COVER, MC SENSOR
                                                                      1pc
         1-573-598-11 s CONNECTOR, PHEC 100P, FEMALE 1-573-598-11 s CONNECTOR, PHEC 100P, FEMALE
CN110
                                                                                3-180-854-03 o COVER, MR SENSOR
                                                                      2pcs
CN111
CN112
         1-573-598-11 s CONNECTOR, PHEC 100P, FEMALE
                                                                                1-164-097-11 s CERAMIC 0.022uF 50V
         1-564-524-11 s CONNECTOR 9P, MALE
CN251
                                                                      C5
                                                                                1-126-933-11 s ELECT 100uF 20% 16V
                                                                                1-164-097-11 s CERAMIC 0.022uF 50V
CN261
         1-506-491-11 s CONNECTOR 12P, MALE
                                                                      C6
                                                                      C11
                                                                                1-126-947-11 s ELECT 47uF 20% 35V
CN263
         1-506-481-11 s CONNECTOR 2P, MALE 1-506-486-11 s CONNECTOR 7P, MALE
                                                                                1-126-947-11 s ELECT 47uF 20% 35V
                                                                      C12
CN264
CN265
         1-564-013-11 o CONNECTOR 3P, MALE
                                                                      C13
                                                                                1-164-097-11 s CERAMIC 0.022uF 50V
CN274
         1-506-486-11 s CONNECTOR 7P, MALE
                                                                      C14
                                                                                1-130-728-00 s FILM 0.0022uF 1% 100V
CN275
         1-506-485-11 s CONNECTOR 6P, MALE
                                                                      C15
                                                                                1-130-728-00 s FILM 0.0022uF 1% 100V
                                                                      C16
                                                                                1-164-097-11 s CERAMIC 0.022uF 50V
         1-506-485-11 s CONNECTOR 6P, MALE
1-564-014-11 s CONNECTOR 4P, MALE
CN276
                                                                      C17
                                                                                1-130-495-00 s MYLAR 0.1uF 5% 50V
CN277
CN278
         1-506-489-11 o CONNECTOR 10P, MALE
                                                                      CN350
                                                                                1-564-011-11 o CONNECTOR 12P, MALE
                                                                                1-506-469-11 s CONNECTOR 4P, MALE
CN281
         1-563-018-11 o CONNECTOR, FPC 34P
                                                                      CN351
                                                                                1-564-001-11 o CONNECTOR 2P, MALE
1-506-472-11 s CONNECTOR 7P, MALE
                                                                      CN352
                                                                      CN353
                                                                      CN354
                                                                                1-506-480-11 s CONNECTOR 15P, MALE
                                                                      CN355
                                                                                1-506-473-11 s CONNECTOR 8P. MALE
                                                                      CN356
                                                                                1-562-708-11 o CONNECTOR, FPC 13P
MB-471A BOARD (UVW-1600/1600P)
                                                                      CN357
                                                                                1-562-708-11 o CONNECTOR, FPC 13P
                                                                                1-564-005-11 o CONNECTOR 6P, MALE
                                                                      CN358
                                                                                1-506-469-11 s CONNECTOR 4P, MALE
                                                                      CN359
or Q'ty Part No.
                      SP Description
                                                                                CN360
MB-471A board is used for UVW-1600/1600P(J, UC, EK).
                                                                      CN361
                                                                      CN362
                                                                                1-562-993-11 o CONNECTOR, FPC 30P
                                                                                1-562-993-11 o CONNECTOR, FPC 30P
         A-8276-731-A o MOUNTED CIRCUIT BOARD, MB-471A
                                                                      CN363
1pc
                                                                      CN364
                                                                                1-562-993-11 o CONNECTOR, FPC 30P
CN110
         1-573-598-11 s CONNECTOR, PHEC 100P, FEMALE
                                                                                8-719-938-07 s LED GL480, INFRARED 8-719-938-07 s LED GL480, INFRARED
CN111
         1-573-598-11 s CONNECTOR, PHEC 100P, FEMALE
         1-564-524-11 s CONNECTOR 9P, MALE
1-506-491-11 s CONNECTOR 12P, MALE
CN251
                                                                      D2
                                                                                8-719-938-07 s LED GL480, INFRARED
                                                                      D3
CN261
CN263
         1-506-481-11 s CONNECTOR 2P. MALE
                                                                      D4
                                                                                8-719-938-07 s LED GL480, INFRARED
                                                                                8-719-933-30 s DIODE DA210S
                                                                      D7
CN274
         1-506-486-11 s CONNECTOR 7P, MALE
CN277
         1-564-014-11 s CONNECTOR 4P, MALE
                                                                      D8
                                                                                8-719-933-30 s DIODE DA210S
         1-506-489-11 o CONNECTOR 10P, MALE
                                                                                8-719-933-30 s DIODE DA210S
CN278
                                                                      D9
CN281
         1-563-018-11 o CONNECTOR, FPC 34P
                                                                      D10
                                                                                8-719-933-30 s DIODE DA210S
                                                                      IC1
                                                                                8-759-196-00 s IC UPD75048CW-018
                                                                                8-759-600-34 s IC M54532P
8-759-645-23 s IC M54523P
                                                                      IC2
                                                                      IC3
                                                                      IC7
                                                                                8-759-189-43 s IC AN77L05-TA
                                                                                8-759-190-25 s IC PQ30VB11
                                                                      IC8
                                                                      Q1
                                                                                8-729-903-81 s PHOTOTRANSISTOR PT480
                                                                                8-729-903-81 s PHOTOTRANSISTOR PT480
                                                                      Q2
                                                                      Q3
                                                                                8-729-903-81 s PHOTOTRANSISTOR PT480
                                                                      Q4
                                                                                8-729-903-81 s PHOTOTRANSISTOR PT480
                                                                      R2
                                                                                1-249-437-11 s CARBON 47K 5% 1/4W
                                                                                1-249-429-11 s CARBON 10K 5% 1/4W
                                                                      R3
                                                                      R5
                                                                                1-249-437-11 s CARBON 47K 5% 1/4W
                                                                                1-249-429-11 s CARBON 10K 5% 1/4W
                                                                      R6
                                                                      R7
                                                                                1-247-815-91 s CARBON 220 5% 1/4W
                                                                      R8
                                                                                1-249-437-11 s CARBON 47K 5% 1/4W
                                                                      R9
                                                                                1-249-429-11 s CARBON 10K 5% 1/4W
                                                                                1-247-815-91 s CARBON 220 5% 1/4W
                                                                      R10
                                                                      R11
                                                                                1-249-437-11 s CARBON 47K 5% 1/4W
                                                                      R12
                                                                                1-249-429-11 s CARBON 10K 5% 1/4W
                                                                      R13
                                                                                1-247-815-91 s CARBON 220 5% 1/4W
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# (MS-39 BOARD(UVW-1800/1800P))

Ref. No. or Q'ty	Part No. SP Description
R14	1-249-437-11 s CARBON 47K 5% 1/4W
R15	1-249-429-11 s CARBON 10K 5% 1/4W
R16	
R17	
R18	1-249-429-11 s CARBON 10K 5% 1/4W
	1-249-437-11 s CARBON 47K 5% 1/4W
	1-249-429-11 s CARBON 10K 5% 1/4W
R31	
	1-249-437-11 s CARBON 47K 5% 1/4W
R34	1-249-417-11 s CARBON 1K 5% 1/4W
R35	1-249-417-11 s CARBON 1K 5% 1/4W
R36	1-249-417-11 s CARBON 1K 5% 1/4W
R37	1-249-417-11 s CARBON 1K 5% 1/4W
R38	1-249-437-11 s CARBON 47K 5% 1/4W
R42	1-249-429-11 s CARBON 10K 5% 1/4W
R43	1-249-429-11 s CARBON 10K 5% 1/4W
R44	1-247-895-91 s CARBON 470K 5% 1/4W
R46	1-249-437-11 s CARBON 47K 5% 1/4W
R47	1-249-417-11 s CARBON 1K 5% 1/4W
R49	1-249-437-11 s CARBON 47K 5% 1/4W
R50	1-249-417-11 s CARBON 1K 5% 1/4W
R51	1-249-429-11 s CARBON 10K 5% 1/4W
R52	1-249-429-11 s CARBON 10K 5% 1/4W
R53	1-249-429-11 s CARBON 10K 5% 1/4W
R63	1-249-429-11 s CARBON 10K 5% 1/4W
R64	1-215-432-00 s METAL 3K 1% 1/6W
R65	1-215-411-00 s METAL 390 1% 1/6W
X1	1-579-232-11 s RESONATOR, CERAMIC 2.50MHz

# MS-39A BOARD (UVW-1600/1600P)

MS-39A BOARD (UVW-1600/1600P)		
Ref. No. or Q'ty		
MS-39A b	oard is used for UVW-1600/1600P(J,UC,EK).	
lpc lpc	A-8275-288-A o MOUNTED CIRCUIT BOARD, MS-39A 3-182-355-02 o COVER, MC SENSOR	
C3	1-164-097-11 s CERAMIC 0.022uF 50V	
C5	1-126-933-11 s ELECT 100uF 20% 16V	
C6	1-164-097-11 s CERAMIC 0.022uF 50V	
C11	1-126-947-11 s ELECT 47uF 20% 35V	
C12	1-126-947-11 s ELECT 47uF 20% 35V	
C13	1-164-097-11 s CERAMIC 0.022uF 50V	
C14	1-130-728-00 s FILM 0.0022uF 1% 100V	
C15	1-130-728-00 s FILM 0.0022uF 1% 100V	
C16	1-164-097-11 s CERAMIC 0.022uF 50V	
C17	1-130-495-00 s MYLAR 0.1uF 5% 50V	
CN350	1-564-011-11 o CONNECTOR 12P, MALE	
CN351	1-506-469-11 s CONNECTOR 4P, MALE	
CN352	1-564-001-11 o CONNECTOR 2P, MALE	
CN353	1-506-472-11 s CONNECTOR 7P, MALE	
CN354	1-506-480-11 s CONNECTOR 15P, MALE	
CN355 CN356 CN357 CN358 CN359		
CN360 CN361 CN362 CN363 CN364		
D1	8-719-938-07 s LED GL480, INFRARED	
D2	8-719-938-07 s LED GL480, INFRARED	
D7	8-719-933-30 s DIODE DA210S	
D8	8-719-933-30 s DIODE DA210S	
D9	8-719-933-30 s DIODE DA210S	
D10	8-719-933-30 s DIODE DA210S	
IC1	8-759-196-00 s IC UPD75048CW-018	
IC2	8-759-600-34 s IC M54532P	
IC3	8-759-645-23 s IC M54523P	
IC7	8-759-189-43 s IC AN77L05-TA	
IC8	8-759-190-25 s IC PQ30VB11	
Q1	8-729-903-81 s PHOTOTRANSISTOR PT480	
Q2	8-729-903-81 s PHOTOTRANSISTOR PT480	
R2	1-249-437-11 s CARBON 47K 5% 1/4W	
R3	1-249-429-11 s CARBON 10K 5% 1/4W	
R5	1-249-437-11 s CARBON 47K 5% 1/4W	
R6	1-249-429-11 s CARBON 10K 5% 1/4W	
R7	1-247-815-91 s CARBON 220 5% 1/4W	
R8	1-249-437-11 s CARBON 47K 5% 1/4W	
R9	1-249-429-11 s CARBON 10K 5% 1/4W	
R10	1-247-815-91 s CARBON 220 5% 1/4W	
R11	1-249-437-11 s CARBON 47K 5% 1/4W	
R12	1-249-429-11 s CARBON 10K 5% 1/4W	
R15 R17	1-249-437-11 s CARBON 47K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-249-437-11 s CARBON 47K 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-249-437-11 s CARBON 47K 5% 1/4W	

#### (MS-39A BOARD (UVW-1600/1600P))

Ref. No. or Q'ty	Part No. SP Description
R25-R30	1-249-429-11 s CARBON 10K 5% 1/4W
R31	1-249-437-11 s CARBON 47K 5% 1/4W
R32	1-249-437-11 s CARBON 47K 5% 1/4W
R34	1-249-417-11 s CARBON 1K 5% 1/4W
R35	1-249-417-11 s CARBON 1K 5% 1/4W
Dog	4 0 10 14 4 4 4 0 1 TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1-249-417-11 s CARBON 1K 5% 1/4W
	1-249-417-11 s CARBON 1K 5% 1/4W
	1-249-437-11 s CARBON 47K 5% 1/4W
	1-249-429-11 s CARBON 10K 5% 1/4W
R43	1-249-429-11 s CARBON 10K 5% 1/4W
	1-247-895-91 s CARBON 470K 5% 1/4W
	1-249-437-11 s CARBON 47K 5% 1/4W
	1-249-417-11 s CARBON 1K 5% 1/4W
R49	1-249-437-11 s CARBON 47K 5% 1/4W
R50	1-249-417-11 s CARBON 1K 5% 1/4W
DE 1	1 240 420 11 - CADDON 10V FW 1/AW
R51	1-249-429-11 s CARBON 10K 5% 1/4W
R52	1-249-429-11 s CARBON 10K 5% 1/4W
	1-249-429-11 s CARBON 10K 5% 1/4W
	1-249-429-11 s CARBON 10K 5% 1/4W
K64	1-215-432-00 s METAL 3K 1% 1/6W
R65	1-215-411-00 s METAL 390 1% 1/6W
X1	1-579-232-11 s RESONATOR, CERAMIC 2.50MHz

### PC-70 BOARD

Ref. No. or Q'ty	Part No. SP Description
lpc lpc	$\mbox{A-8276-625-A}$ o MOUNTED CIRCUIT BOARD, PC-70 $\mbox{3-176-598-02}$ o SPRING, GROUND
CN934	1-565-038-11 s CONNECTOR, FPC 5P
PH1 PH2 PH3	8-719-939-05 s PHOTOINTERRUPTER GP-1S54 8-719-939-05 s PHOTOINTERRUPTER GP-1S54 8-719-939-05 s PHOTOINTERRUPTER GP-1S54
R1 R2 R3	1-247-825-31 s CARBON 560 5% 1/4W 1-247-825-31 s CARBON 560 5% 1/4W 1-247-825-31 s CARBON 560 5% 1/4W

## PD-35 BOARD

Ref	No	

or Q'ty Part No. SP Description

1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35 1pc

#### PTC-66 BOARD

Ref. No.		
or Q'ty	Part No.	SP Description

1pc	1-648-926-12 o	PRINTED	CIRCUIT	BOARD,	PTC-66

CN944 1-564-014-11 s CONNECTOR 4P, MALE

8-719-939-05 s PHOTOINTERRUPTER GP-1S54 PH1 PH2 8-719-939-05 s PHOTOINTERRUPTER GP-1S54

1-247-815-91 s CARBON 220 5% 1/4W 1-247-815-91 s CARBON 220 5% 1/4W R2

#### PTC-67 BOARD

Ref. No.		
or Q'ty	Part No.	SP Description

1-648-922-12 o PRINTED CIRCUIT BOARD, PTC-67 1pc

C1 1-164-096-11 s CERAMIC 0.01uF 50V

CN941 1-506-472-11 s CONNECTOR 7P, MALE 1-564-001-11 o CONNECTOR 2P, MALE 1-506-481-11 s CONNECTOR 2P, MALE CN942 CN943

8-719-939-05 s PHOTOINTERRUPTER GP-1S54 PH1

1-249-408-11 s CARBON 180 5% 1/4W R1

# PTC-68 BOARD

# Ref. No.

or Q'ty Part No. SP Description

1-648-927-12 o PRINTED CIRCUIT BOARD, PTC-68 1pc

CN940 1-506-469-11 s CONNECTOR 4P, MALE

 $8\text{-}719\text{-}939\text{-}05 \hspace{0.1cm} \text{s} \hspace{0.1cm} \text{PHOTOINTERRUPTER} \hspace{0.1cm} \text{GP-1S54}$ PH1 8-719-939-05 s PHOTOINTERRUPTER GP-1S54 PH2

1-247-815-91 s CARBON 220 5% 1/4W 1-247-815-91 s CARBON 220 5% 1/4W

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RM-126 B		RP-70 BOARD (UVW-1800)
Ref. No.		Ref. No. or Q'ty Part No. SP Description
lpc	1-648-924-12 o PRINTED CIRCUIT BOARD, RM-126	RP-70 board is used for UVW-1800(J,UC).
CN946 CN947 CN948 CN949	1-563-233-11 o CONNECTOR, FPC 13P, FEMALE 1-564-014-11 s CONNECTOR 4P, MALE 1-564-718-11 o CONNECTOR 2P, MALE 1-564-013-11 o CONNECTOR 3P, MALE	1pc A-8275-285-A o MOUNTED CIRCUIT BOARD, RP- 1pc 3-182-385-02 o PLATE, SHIELD (S), CARD 1pc 7-621-759-45 s SCREW, +PSW2.6x6 1pc 3-179-084-01 s LEVER (R), PC BOARD 1pc 3-179-085-01 s LEVER (L), PC BOARD
 RM-127 B	SOARD	C2 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C3 1-126-933-11 s ELECT 100uF 20% 16V C4 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C5 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25° C6 1-126-933-11 s ELECT 100uF 20% 16V
Ref. No. or Q'ty		C7
lpc CN951	1-648-925-12 o PRINTED CIRCUIT BOARD, RM-127 1-563-233-11 o CONNECTOR, FPC 13P, FEMALE	C12 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C13 1-126-933-11 s ELECT 100uF 20% 16V
CN951 CN952 CN953 CN954	1-564-014-11 s CONNECTOR 4P, MALE 1-564-718-11 o CONNECTOR 2P, MALE 1-564-013-11 o CONNECTOR 3P, MALE	C14
		C19
		C104 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C105 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25' C106 1-126-933-11 s ELECT 100uF 20% 16V C107 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C108 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25'
		C111 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C112 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C113 1-126-933-11 s ELECT 100uF 20% 16V C114 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C115 1-126-933-11 s ELECT 100uF 20% 16V
		C116 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C117 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C118 1-126-933-11 s ELECT 100uF 20% 16V C119 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C120 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
		C121 1-164-004-11 s CERAMIC, CHIP 0. 1uF 10% 25 C123 1-126-933-11 s ELECT 100uF 20% 16V C202 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V C203 1-126-933-11 s ELECT 100uF 20% 16V C204 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V
		C205
		C212 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C213 1-126-933-11 s ELECT 100uF 20% 16V C214 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C215 1-126-933-11 s ELECT 100uF 20% 16V C216 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
		C217 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C218 1-126-933-11 s ELECT 100uF 20% 16V

# (RP-70 BOARD(UVW-1800))

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C219	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C705	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C220	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C706	1-126-933-11 s ELECT 100uF 20% 16V
C221	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C707	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C223	1-126-933-11 s ELECT 100uF 20% 16V	C708	1-126-933-11 s ELECT 100uF 20% 16V
C303	1-126-933-11 s ELECT 100uF 20% 16V	C709	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C304	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C710	1-126-933-11 s ELECT 100uF 20% 16V
C305	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C711	1-126-933-11 s ELECT 100uF 20% 16V
C306	1-126-933-11 s ELECT 100uF 20% 16V	C712	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C307	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C713	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C308	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C714	1-126-933-11 s ELECT 100uF 20% 16V
C311	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C715	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C312	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C716	1-126-933-11 s ELECT 100uF 20% 16V
C313	1-126-933-11 s ELECT 100uF 20% 16V	C717	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C314	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C718	1-126-933-11 s ELECT 100uF 20% 16V
C315	1-126-933-11 s ELECT 100uF 20% 16V	C719	1-126-933-11 s ELECT 100uF 20% 16V
C316	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C720	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C317	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C721	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C318	1-126-933-11 s ELECT 100uF 20% 16V	C722	1-126-933-11 s ELECT 100uF 20% 16V
C319	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C723	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C320	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C724	1-126-933-11 s ELECT 100uF 20% 16V
C321	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C725	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C323	1-126-933-11 s ELECT 100uF 20% 16V	C726	1-126-933-11 s ELECT 100uF 20% 16V
C501-507	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C727	1-126-933-11 s ELECT 100uF 20% 16V
C601	1-126-933-11 s ELECT 100uF 20% 16V	C728	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C602	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C729	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C603 C604 C605 C606	1-130-477-00 s MYLAR 0.0033uF 5% 50V 1-130-487-00 s MYLAR 0.022uF 5% 50V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V 1-137-361-11 s FILM 330PF 5% 50V	C730 C731 C732	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V
C607	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	CN1	1-506-468-11 o CONNECTOR 3P, MALE
C609	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	CN101	1-506-468-11 o CONNECTOR 3P, MALE
C610	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	CN110	1-573-600-21 s CONNECTOR, PHEC 100P, MALE
C611	1-126-933-11 s ELECT 100uF 20% 16V	CN201	1-506-468-11 o CONNECTOR 3P, MALE
C612	1-126-933-11 s ELECT 100uF 20% 16V	CN301	1-506-468-11 o CONNECTOR 3P, MALE
C613	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	D701	8-719-123-82 s DIODE 1SS303-T1
C614	1-130-477-00 s MYLAR 0.0033uF 5% 50V	D702	8-719-123-82 s DIODE 1SS303-T1
C615	1-130-487-00 s MYLAR 0.022uF 5% 50V	D703	8-719-123-85 s DIODE 1SS304
C616	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	D704	8-719-123-85 s DIODE 1SS304
C617 C618	1-137-361-11 s FILM 330pF 5% 50V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	IC1 IC2 IC101 IC102	1-810-336-11 s HIC BP-025 1-810-335-11 s HIC BP-024 1-810-336-11 s HIC BP-025 1-810-335-11 s HIC BP-024
C621	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC201	1-810-336-11 s HIC BP-025
C622	1-126-933-11 s ELECT 100uF 20% 16V	IC202	1-810-335-11 s HIC BP-024
C623	1-126-933-11 s ELECT 100uF 20% 16V	IC301	1-810-336-11 s HIC BP-025
C624	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC302	1-810-335-11 s HIC BP-024
C625 C626 C627 C628	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V	IC501 IC502 IC503	8-759-009-10 s IC MC14069UBF 8-759-009-10 s IC MC14069UBF 8-759-009-10 s IC MC14069UBF
C629 C630 C631	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V 1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V	IC601 IC602 IC701 IC702	8-759-981-48 s IC NJM082M 8-759-981-48 s IC NJM082M 8-759-182-84 s IC PQ05SZ5U 8-759-189-43 s IC AN77L05-TA
C632	1-164-182-11 s CERAMIC, CHIP 3300PF 10% 100V	IC703	8-759-168-20 s IC TA78L09S
C635	1-136-562-11 s FILM 0.0082uF 5% 630V	IC704	8-759-168-20 s IC TA78L09S
C636	1-131-368-00 s TANTALUM 3.3uF 10% 16V	IC705	8-759-822-95 s IC L79M05T-FA
C701 C702 C703 C704	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC706 IC707 IC708	8-759-700-65 s IC NJM79L05A 8-759-700-68 s IC NJM79L09A 8-759-700-68 s IC NJM79L09A

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
L1-L5	1-410-482-31 s INDUCTOR 100uH	R108	1-216-009-00 s METAL, CHIP 22 5% 1/10W
	1-410-482-31 s INDUCTOR 100uH	R109 R110	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
	1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	R111 R112	1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
L603 L604	1-412-533-21 s INDUCTOR 47uH 1-408-397-00 s INDUCTOR 1uH	R113	1-216-001-00 s METAL, CHIP 10 5% 1/10W
L605		R116	1-216-001-00 s METAL, CHIP 10 5% 1/10W
L701	1-408-397-00 s INDUCTOR 1uH 1-412-533-21 s INDUCTOR 47uH	R118 R119	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
L702 L703	1-412-533-21 s INDUCTOR 47uH 1-412-533-21 s INDUCTOR 47uH	R121	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
L704	1-412-533-21 s INDUCTOR 47uH	R122 R201	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W
Q1	8-729-117-72 s TRANSISTOR 2SC4178	R202	1-216-624-11 s METAL, CHIP 75 0.5% 1/10W
Q2 Q3	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	R204 R205	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W
Q102 Q103	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	R206	1-216-047-91 s METAL, CHIP 820 5% 1/10W
-		R207	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W
Q201 Q202	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	R208 R209	1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W
Q203	8-729-117-72 s TRANSISTOR 2SC4178	R210	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q302 Q303	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	R211	1-216-009-00 s METAL, CHIP 22 5% 1/10W
Q501	8-729-209-06 s TRANSISTOR 2SC4213-A	R212	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
Q601	8-729-119-76 s TRANSISTOR 2SA1115P	R213 R216	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W
Q602 Q603	8-729-119-78 s TRANSISTOR 2SC2785-HFE 8-729-320-60 s TRANSISTOR 2SD788-34	R218	1-216-001-00 s METAL, CHIP 10 5% 1/10W
Q604	8-729-320-60 s TRANSISTOR 2SD788-34	R219	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
Q605	8-729-119-76 s TRANSISTOR 2SA1115P	R221 R222	1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W
Q606	8-729-119-78 s TRANSISTOR 2SC2785-HFE	R306	1-216-047-91 s METAL, CHIP 820 5% 1/10W
Q607 Q608	8-729-320-60 s TRANSISTOR 2SD788-34 8-729-320-60 s TRANSISTOR 2SD788-34	R307	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W
Q609	8-729-905-18 s TRANSISTOR DTC144EU	R308	1-216-009-00 s METAL, CHIP 22 5% 1/10W
Q610	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R309 R310	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q611	8-729-022-00 s TRANSISTOR 2SB1416-R(TA)	R311	1-216-009-00 s METAL, CHIP 22 5% 1/10W
Q612 Q613	8-729-117-32 s TRANSISTOR 2SC4177 8-729-159-65 s TRANSISTOR 2SD596-DV5	R312	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
Q614	8-729-159-65 s TRANSISTOR 2SD596-DV5	R313	1-216-001-00 s METAL, CHIP 10 5% 1/10W
Q615	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R316 R318	1-216-001-00 s METAL, CHIP 10 5% 1/10\( \) 1-216-001-00 s METAL. CHIP 10 5% 1/10\( \)
Q616	8-729-209-06 s TRANSISTOR 2SC4213-A	R319	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
Q617	8-729-209-06 s TRANSISTOR 2SC4213-A	R321	1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W
R1 R2	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W	R322 R501	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R4	1-216-001-00 s METAL, CHIP 10 5% 1/10W	R502	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R5 R6	1-216-047-91 s METAL, CHIP 820 5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W	R503 R504	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R7	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	R505	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R8	1-216-009-00 s METAL, CHIP 22 5% 1/10W	R506	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R9 R10	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R507 R508	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R11	1-216-009-00 s METAL, CHIP 22 5% 1/10W	R509	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R12	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R510	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R13 R16	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W	R511 R512	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R18	1-216-001-00 s METAL, CHIP 10 5% 1/10W	R513	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R19	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	R514	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R21 R22	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W	R515 R516	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R106	1-216-047-91 s METAL, CHIP 820 5% 1/10W	R517	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R107	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	R518	1-216-073-00 s METAL, CHIP 10K 5% 1/10W

# (RP-70 BOARD (UVW-1800))

Ref. No. or Q'ty	Part No. SP Description
R519 R601 R602 R603 R604	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-249-402-11 s CARBON 56 5% 1/4W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R605 R606 R607 R608 R609	1-249-417-11 s CARBON 1K 5% 1/4W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W 1-249-402-11 s CARBON 56 5% 1/4W
R610 R611 R612 R613 R614	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-215-403-00 s METAL 180 1% 1/6W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R615 R616 R617 R618 R619	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-249-402-11 s CARBON 56 5% 1/4W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R620 R621 R622 R623 R624	1-249-417-11 s CARBON 1K 5% 1/4W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W 1-249-402-11 s CARBON 56 5% 1/4W
R625 R626 R627 R628 R629	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-215-403-00 s METAL 180 1% 1/6W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R630 R631 R632 R633 R634	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W
R635 R636 R637 R639 R640	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-093-00 s METAL, CHIP 68K 5% 1/10W 1-216-093-00 s METAL, CHIP 68K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R641 R642	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
RV1 RV2 RV101 RV102 RV201	1-241-783-11 s RES, ADJ METAL 2.2k 1-241-761-11 s RES, ADJ METAL 1k 1-241-783-11 s RES, ADJ METAL 2.2k 1-241-761-11 s RES, ADJ METAL 1k 1-241-783-11 s RES, ADJ METAL 2.2k
RV202 RV301 RV302	1-241-761-11 s RES, ADJ METAL 1k 1-241-783-11 s RES, ADJ METAL 2.2k 1-241-761-11 s RES, ADJ METAL 1k
S1 S101 S201 S301	1-553-977-00 s SWITCH, SLIDE 1-553-977-00 s SWITCH, SLIDE 1-553-977-00 s SWITCH, SLIDE 1-553-977-00 s SWITCH, SLIDE
T1 T2 T101 T102	1-423-659-11 s TRANSFORMER, RF OUTPUT 1-423-658-11 s TRANSFORMER, RF INPUT 1-423-659-11 s TRANSFORMER, RF OUTPUT 1-423-658-11 s TRANSFORMER, RF INPUT

Ref. No. or Q'ty	Part No. SP	Description	
T201 T202 T301 T302 T601	1-423-659-11 s 1-423-657-11 s 1-423-659-11 s 1-423-657-11 s 1-423-656-11 s	TRANSFORMER, TRANSFORMER, TRANSFORMER,	RF INPUT RF OUTPUT RF INPUT
T602 T603	1-423-656-11 s 1-424-511-11 s		

# (RP-70P BOARD(UVW-1800P))

		(111 101	200117)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
RP-70P b	oard is used for UVW-1800P(EK).	C219	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
	A COME AND A MANAGEMENT OF THE TAIL	C220	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
lpc	A-8275-470-A O MOUNTED CIRCUIT BOARD, RP-70P 3-182-385-02 O PLATE, SHIELD (S), CARD	C221 C223	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-126-933-11 s ELECT 100uF 20% 16V
lpc lpc	7-621-759-45 s SCREW, +PSW2.6x6	C303	1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V
lpc	3-179-084-01 s LEVER (R), PC BOARD	0000	1 120 000 11 3 BBB01 100ul 20% 107
1pc	3-179-085-01 s LEVER (L), PC BOARD	C304	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
00	1 100 000 01 OPPINIO ONID 0 000 P FOU	C305	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C2 C3	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	C306 C307	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C4	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C308	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C5	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V		·
C6	1-126-933-11 s ELECT 100uF 20% 16V	C311	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C7	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C312 C313	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V
C8	1-164-004-11 s CERAMIC, CHIP 0. 1uF 10% 25V	C314	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C11	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C315	1-126-933-11 s ELECT 100uF 20% 16V
C12	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	0010	1 100 000 01 OPPANIO ONE O 000 P FOU
C13	1-126-933-11 s ELECT 100uF 20% 16V	C316 C317	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC. CHIP 0.022uF 50V
C14	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C318	1-126-933-11 s ELECT 100uF 20% 16V
C15	1-126-933-11 s ELECT 100uF 20% 16V	C319	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C16	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C320	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C17 C18	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	C321	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
010	1-120-335-11 S ELECT 100ul 20% 10V	C323	1-126-933-11 s ELECT 100uF 20% 16V
C19	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V		1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C20	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C601	1-126-933-11 s ELECT 100uF 20% 16V
C21 C23	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-126-933-11 s ELECT 100uF 20% 16V	C602	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C103	1-126-933-11 s ELECT 100uF 20% 16V	C603	1-130-477-00 s MYLAR 0.0033uF 5% 50V
		C604	1-130-487-00 s MYLAR 0.022uF 5% 50V
C104	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C605	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V
C105 C106	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-126-933-11 s ELECT 100uF 20% 16V	C606 C607	1-137-361-11 s FILM 330pF 5% 50V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V
C100	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	0007	1-103-121-00 S CERAMIC, CHII 13011 3% 30V
C108	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C609	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
0111	1 100 000 01 - CPDANTO CHID O 000 P FOV	C610	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C111 C112	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C611 C612	1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V
C113	1-126-933-11 s ELECT 100uF 20% 16V	C613	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C114	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V		
C115	1-126-933-11 s ELECT 100uF 20% 16V	C614	1-130-477-00 s MYLAR 0.0033uF 5% 50V
C116	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C615 C616	1-130-487-00 s MYLAR 0.022uF 5% 50V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V
C117	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C617	1-137-361-11 s FILM 330pF 5% 50V
C118	1-126-933-11 s ELECT 100uF 20% 16V	C618	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V
C119	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	CCOO	1 162 97F 11 - CEDAMIC CHID O OOLE EN FOU
C120	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C620 C621	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C121	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C622	1-126-933-11 s ELECT 100uF 20% 16V
C123	1-126-933-11 s ELECT 100uF 20% 16V	C623	1-126-933-11 s ELECT 100uF 20% 16V
C202	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C624	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C203 C204	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C625	1-126-933-11 s ELECT 100uF 20% 16V
0201	1 100 000 VI S OBMINIO, ONLY 0.022di 007	C626	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C205	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C627	1-126-933-11 s ELECT 100uF 20% 16V
C206	1-126-933-11 s ELECT 100uF 20% 16V	C628	1-126-933-11 s ELECT 100uF 20% 16V
C207 C208	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C629	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V
C211	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C630	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V
		C631	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V
C212 C213	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	C632 C635	1-164-182-11 s CERAMIC, CHIP 3300PF 10% 100V 1-136-562-11 s FILM 0.0082uF 5% 630V
C213 C214	1-120-933-11 S ELECT 100UF 20% 16V 1-163-033-91 S CERAMIC, CHIP 0.022UF 50V	C636	1-130-502-11 S FILM 0.0082UF 5% 630V 1-131-368-00 S TANTALUM 3.3UF 10% 16V
C215	1-126-933-11 s ELECT 100uF 20% 16V		
C216	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C701	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C217	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C702 C703	1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V
C218	1-126-933-11 s ELECT 100uF 20% 16V	C704	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
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18-76

# (RP-70P BOARD(UVW-1800P))

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C705 C706	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	L1-L5	1-410-482-31 s INDUCTOR 100uH
C707 C708 C709	1-163-033-91 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	L201-205	5 1-410-482-31 s INDUCTOR 100uH 5 1-410-482-31 s INDUCTOR 100uH 5 1-410-482-31 s INDUCTOR 100uH 1-412-533-21 s INDUCTOR 47uH
C710 C711 C712 C713 C714	1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	L604 L605 L701 L702	1-408-397-00 s INDUCTOR 1uH 1-408-397-00 s INDUCTOR 1uH 1-412-533-21 s INDUCTOR 47uH 1-412-533-21 s INDUCTOR 47uH
C715	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	L703 L704	1-412-533-21 \$ INDUCTOR 47th 1-412-533-21 \$ INDUCTOR 47th 1-412-533-21 \$ INDUCTOR 47th
C716 C717 C718 C719	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V	Q1 Q2 Q3 Q102	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178
C720 C721 C722	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	Q103 Q201	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178
C723 C724	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V	Q202 Q203 Q302	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178
C725 C726 C727 C728 C729	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	Q303 Q501 Q601 Q602	8-729-117-72 s TRANSISTOR 2SC4178 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-119-76 s TRANSISTOR 2SA1115P 8-729-119-78 s TRANSISTOR 2SC2785-HFE
C730 C731	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	Q603 Q604	8-729-320-60 s TRANSISTOR 2SD788-34 8-729-320-60 s TRANSISTOR 2SD788-34
C732	1-126-933-11 s ELECT 100uF 20% 16V	Q605 Q606	8-729-119-76 s TRANSISTOR 2SA1115P 8-729-119-78 s TRANSISTOR 2SC2785-HFE
CN1 CN101 CN110 CN201	1-506-468-11 o CONNECTOR 3P, MALE 1-506-468-11 o CONNECTOR 3P, MALE 1-573-600-21 s CONNECTOR, PHEC 100P, MALE 1-506-468-11 o CONNECTOR 3P, MALE	Q607 Q608 Q609	8-729-320-60 s TRANSISTOR 2SD788-34 8-729-320-60 s TRANSISTOR 2SD788-34 8-729-905-18 s TRANSISTOR DTC144EU
CN301 D701	1-506-468-11 o CONNECTOR 3P, MALE 8-719-123-82 s DIODE 1SS303-T1	Q610 Q611 Q612	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-022-00 s TRANSISTOR 2SB1416-R(TA) 8-729-117-32 s TRANSISTOR 2SC4177
D702 D703 D704	8-719-123-82 s DIODE ISS303-T1 8-719-123-85 s DIODE ISS304 8-719-123-85 s DIODE ISS304	Q613 Q614	8-729-159-65 s TRANSISTOR 2SD596-DV5 8-729-159-65 s TRANSISTOR 2SD596-DV5
IC1 IC2 IC101	1-810-336-11 s HIC BP-025 1-810-335-11 s HIC BP-024 1-810-336-11 s HIC BP-025	Q615 Q616 Q617	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A
IC102 IC201	1-810-335-11 s HIC BP-024 1-810-336-11 s HIC BP-025	R1 R2 R4	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W
IC202 IC301 IC302	1-810-335-11 s HIC BP-024 1-810-336-11 s HIC BP-025 1-810-335-11 s HIC BP-024	R5 R6	1-216-047-91 s METAL, CHIP 820 5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W
IC501 IC502	8-759-009-10 s IC MC14069UBF 8-759-009-10 s IC MC14069UBF	R7 R8 R9	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W
IC503 IC601 IC602	8-759-009-10 s IC MC14069UBF 8-759-981-48 s IC NJM082M 8-759-981-48 s IC NJM082M	R10 R11	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W
IC701 IC702	8-759-182-84 s IC PQ05SZ5U 8-759-189-43 s IC AN77L05-TA	R12 R13 R16	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W
IC703 IC704 IC705	8-759-168-20 s IC TA78L09S 8-759-168-20 s IC TA78L09S 8-759-822-95 s IC L79M05T-FA	R18 R19	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
IC706 IC707	8-759-700-65 s IC NJM79L05A 8-759-700-68 s IC NJM79L09A	R21 R22 R106	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W
IC708	8-759-700-68 s IC NJM79L09A	R107	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R108 R109 R110 R111 R112	1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R519 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R601 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R602 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R603 1-249-402-11 s CARBON 56 5% 1/4W R604 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R113 R116 R118 R119 R121	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R605 1-249-417-11 s CARBON 1K 5% 1/4W R606 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R607 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R608 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W R609 1-249-402-11 s CARBON 56 5% 1/4W
R122 R201 R202 R204 R205	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W	R610 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R611 1-215-403-00 s METAL 180 1% 1/6W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R613 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R614 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R206 R207 R208 R209 R210	1-216-047-91 s METAL, CHIP 820 5% 1/10W 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R615 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R616 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R617 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R618 1-249-402-11 s CARBON 56 5% 1/4W R619 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R211 R212 R213 R216 R218	1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W	R620 1-249-417-11 s CARBON 1K 5% 1/4W R621 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R622 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R623 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W R624 1-249-402-11 s CARBON 56 5% 1/4W
R219 R221 R222 R306 R307	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	R625 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R626 1-215-403-00 s METAL 180 1% 1/6W R627 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R628 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R629 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R308 R309 R310 R311 R312	1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R630 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R631 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R632 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R633 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W R634 1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W
R313 R316 R318 R319 R321	1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W	R635 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R636 1-216-093-00 s METAL, CHIP 68K 5% 1/10W R637 1-216-093-00 s METAL, CHIP 68K 5% 1/10W R639 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R640 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R322 R501 R502 R503 R504	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R641 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R642 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W RV1 1-241-783-11 s RES, ADJ METAL 2.2k RV2 1-241-762-11 s RES, ADJ METAL 2.2k RV101 1-241-783-11 s RES, ADJ METAL 2.2k
R505 R506 R507 R508	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	RV102 1-241-762-11 s RES, ADJ METAL 2.2k RV201 1-241-783-11 s RES, ADJ METAL 2.2k RV202 1-241-762-11 s RES, ADJ METAL 2.2k
R509 R510	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	RV301 1-241-783-11 s RES, ADJ METAL 2.2k RV302 1-241-762-11 s RES, ADJ METAL 2.2k
R511 R512 R513 R514	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	S1       1-553-977-00 s SWITCH, SLIDE         S101       1-553-977-00 s SWITCH, SLIDE         S201       1-553-977-00 s SWITCH, SLIDE         S301       1-553-977-00 s SWITCH, SLIDE
R515 R516 R517 R518	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	T1 1-423-659-11 s TRANSFORMER, RF OUTPUT T2 1-423-658-11 s TRANSFORMER, RF INPUT T101 1-423-659-11 s TRANSFORMER, RF OUTPUT T102 1-423-658-11 s TRANSFORMER, RF INPUT

#### (RP-70P BOARD (UVW-1800P))

Ref. No. or Q'ty	Part No. SP Description	
T201 T202 T301 T302 T601	1-423-659-11 s TRANSFORMER 1-423-658-11 s TRANSFORMER 1-423-659-11 s TRANSFORMER 1-423-658-11 s TRANSFORMER 1-423-656-11 s TRANSFORMER	, RF INPUT , RF OUTPUT , RF INPUT
T602 T603	1-423-656-11 s TRANSFORMER 1-424-511-11 s TRANSFORMER	,

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RP-70A BOARD (UVW-1600)
Ref. No.
or Q'ty Part No.
                         SP Description
RP-70A board is used for UVW-1600(J, UC).
           A-8275-278-A o MOUNTED CIRCUIT BOARD, RP-70A
           3-182-385-02 o PLATE, SHIELD (S), CARD
1pc
          7-621-759-45 s SCREW, +PSW2.6x6
3-179-084-01 s LEVER (R), PC BOARD
3-179-085-01 s LEVER (L), PC BOARD
1pc
1pc
1pc
C17
           1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
           1-126-933-11 s ELECT 100uF 20% 16V
C18
          1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
1-126-933-11 s ELECT 100uF 20% 16V
C19
C21
C23
           1\text{--}163\text{--}033\text{--}91 s CERAMIC, CHIP 0.022 uF 50V
C117
           1-126-933-11 s ELECT 100uF 20% 16V
C118
           1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C119
C121
C123
           1-126-933-11 s ELECT 100uF 20% 16V
C217
           1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C218
           1-126-933-11 s ELECT 100uF 20% 16V
           1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C219
C221
C223
           1-126-933-11 s ELECT 100uF 20% 16V
C317
           1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
           1-126-933-11 s ELECT 100uF 20% 16V
C318
           1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C319
C321
           1-126-933-11 s ELECT 100uF 20% 16V
C323
C709
           1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
           1-126-933-11 s ELECT 100uF 20% 16V
C710
           1-126-933-11 s ELECT 100uF 20% 16V
C711
           1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C712
C713
C714
           1-126-933-11 s ELECT 100uF 20% 16V
C715
           1-163-033-91 s CERAMIC. CHIP 0.022uF 50V
           1-126-933-11 s ELECT 100uF 20% 16V
C716
           1-506-468-11 o CONNECTOR 3P, MALE
CN1
CN101
           1-506-468-11 o CONNECTOR 3P, MALE
           1-573-600-21 s CONNECTOR, PHEC 100P, MALE
CN110
           1-506-468-11 o CONNECTOR 3P, MALE
CN201
CN301
           1-506-468-11 o CONNECTOR 3P, MALE
D702
           8-719-123-82 s DIODE 1SS303-T1
IC2
           1-810-335-11 s HIC BP-024
IC102
           1-810-335-11 s HIC BP-024
IC202
           1-810-335-11 s HIC BP-024
IC302
           1-810-335-11 s HIC BP-024
IC703
           8-759-168-20 s IC TA78L09S
IC704
           8-759-168-20 s IC TA78L09S
L702
           1-412-533-21 s INDUCTOR 47uH
           1-216-295-91 s RES, CHIP 0
R17
           1-216-001-00 s METAL, CHIP 10 5% 1/10W
R18
           1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R19
           1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
1-216-625-11 s METAL, CHIP 82 0.5% 1/10W
R21
R22
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R117

R118 R119 R121

1-216-295-91 s RES, CHIP 0

1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W

# (RP-70A BOARD(UVW-1600))

Ref. No. or Q'ty	Part No. SP	Description
R122 R217 R218 R219 R221	1-216-295-91 s 1-216-001-00 s 1-208-822-11 s	METAL, CHIP 82 0.5% 1/10W RES, CHIP 0 METAL, CHIP 10 5% 1/10W METAL, CHIP 47k 0.5% 1/10W METAL, CHIP 39K 0.5% 1/10W
R222 R317 R318 R319 R321	1-216-295-91 s 1-216-001-00 s 1-208-822-11 s	METAL, CHIP 82 0.5% 1/10W RES, CHIP 0 METAL, CHIP 10 5% 1/10W METAL, CHIP 47k 0.5% 1/10W METAL, CHIP 39K 0.5% 1/10W
	1-216-625-11 s 1-216-295-91 s	METAL, CHIP 82 0.5% 1/10W RES, CHIP 0
T2 T102 T202 T302	1-423-657-11 s	TRANSFORMER, RF INPUT TRANSFORMER, RF INPUT

# RP-70AP BOARD (UVW-1600P)

Ref. No. or Q'ty	Part No. SP Description
RP-70AP	board is used for UVW-1600P(EK).
lpc	A-8275-465-A o MOUNTED CIRCUIT BOARD, RP-70AF
lpc	3-182-385-02 o PLATE, SHIELD (S), CARD
lpc	7-621-759-45 s SCREW, +PSW2.6x6
lpc	3-179-084-01 s LEVER (R), PC BOARD
lpc	3-179-085-01 s LEVER (L), PC BOARD
C17 C18 C19 C21 C23	1-164-004-11 S CERAMIC, CHIP U. TUR 10% 25V
C117	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C118	1-126-933-11 s ELECT 100uF 20% 16V
C119	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C121	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C123	1-126-933-11 s ELECT 100uF 20% 16V
C217	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C218	1-126-933-11 s ELECT 100uF 20% 16V
C219	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C221	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C223	1-126-933-11 s ELECT 100uF 20% 16V
C317	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C318	1-126-933-11 s ELECT 100uF 20% 16V
C319	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C321	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C323	1-126-933-11 s ELECT 100uF 20% 16V
C709	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C710	1-126-933-11 s ELECT 100uF 20% 16V
C711	1-126-933-11 s ELECT 100uF 20% 16V
C712	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C713	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C714 C715 C716	1-163-033-91 S CERAMIC, CHIP 0.022uf 50V
CN1	1-506-468-11 o CONNECTOR 3P, MALE
CN101	1-506-468-11 o CONNECTOR 3P, MALE
CN110	1-573-600-21 s CONNECTOR, PHEC 100P, MALE
CN201	1-506-468-11 o CONNECTOR 3P, MALE
CN301	1-506-468-11 o CONNECTOR 3P, MALE
D702	8-719-123-82 s DIODE 1SS303-T1
IC2	1-810-335-11 s HIC BP-024
IC102	1-810-335-11 s HIC BP-024
IC202	1-810-335-11 s HIC BP-024
IC302	1-810-335-11 s HIC BP-024
IC703	8-759-168-20 s IC TA78L09S
IC704	8-759-168-20 s IC TA78L09S
L702	1-412-533-21 s INDUCTOR 47uH
R17	1-216-295-91 s RES, CHIP 0
R18	1-216-001-00 s METAL, CHIP 10 5% 1/10W
R19	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R21	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
R22	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W
R117	1-216-295-91 s RES, CHIP 0
R118	1-216-001-00 s METAL, CHIP 10 5% 1/10W
R119	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R121	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W

## (RP-70AP BOARD(UVW-1600P))

Ref. No. or Q'ty	Part No. SP Description
R122 R217 R218 R219 R221	1-216-295-91 s RES, CHIP 0 1-216-001-00 s METAL, CHIP 10 5% 1/10W
R317 R318	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-001-00 s METAL, CHIP 10 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W
R322 R651-658	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W 1-216-295-91 s RES, CHIP 0
T202	1-423-658-11 s TRANSFORMER, RF INPUT 1-423-658-11 s TRANSFORMER, RF INPUT 1-423-658-11 s TRANSFORMER, RF INPUT 1-423-658-11 s TRANSFORMER, RF INPUT

### SE-207 BOARD

Ref. No.

or Q'ty Part No. SP Description

Two SE-207 boards are used in UVW-1800/1800P/1600/1600P  $(\ensuremath{\mathrm{J}},\ensuremath{\mathrm{UC}},\ensuremath{\mathrm{EK}})$ 

One board has the following parts.

1pc 1-648-923-12 o PRINTED CIRCUIT BOARD, SE-207

CN950 1-565-876-11 o CONNECTOR 4P, MALE

PH1 8-749-924-54 s PHOTO-INTERRUPTER GP1A30R

R1 1-249-408-11 s CARBON 180 5% 1/4W

SS-53 BOARD

Ref. No. or Q'ty	Part No. SP	Description
	3-179-084-01 s	MOUNTED CIRCUIT BOARD, SS-53 LEVER (R), PC BOARD LEVER (L), PC BOARD
C2 C5-C16 C19	1-163-033-91 s 1-163-033-91 s 1-163-033-91 s	TANTALUM, CHIP 1uF 10% 35V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V
C24	1-163-251-11 s 1-163-033-91 s 1-126-924-11 s	CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 100PF 5% 50V CERAMIC, CHIP 0.022uF 50V ELECT 330uF 20% 10V ELECT 10uF 20% 50V
C102 C103 C104	1-163-275-11 s 1-163-033-91 s 1-163-033-91 s	ELECT 10uF 20% 50V CERAMIC, CHIP 0.001uF 5% 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 10% 25V
C109 C110 C111 C112 C113	1-163-235-11 s 1-163-033-91 s 1-164-232-11 s	CERAMIC, CHIP 22PF 5% 50V CERAMIC, CHIP 22PF 5% 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.01uF 10% 100V CERAMIC, CHIP 100PF 5% 50V
C115 C116 C117	1-163-033-91 s 1-163-033-91 s 1-163-033-91 s	ELECT 330uF 20% 10V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V TANTALUM, CHIP 1uF 10% 35V
C210	1-163-275-11 s 1-163-237-11 s	CERAMIC, CHIP 0.047uF 10% 25V CERAMIC, CHIP 0.001uF 5% 50V CERAMIC, CHIP 27PF 5% 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 24PF 5% 50V
C215-230 C232	1-163-033-91 s 1-163-033-91 s	ELECT 330uF 20% 10V CERAMIC, CHIP 0.001uF 5% 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 10% 25V
C234 C235 C236 C237 C238	1-163-037-11 s 1-163-037-11 s 1-164-232-11 s	CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.01uF 10% 100V CERAMIC, CHIP 0.01uF 10% 100V
C239 C240 C241 C242 C243	1-163-037-11 s 1-163-037-11 s 1-163-037-11 s	CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.022uF 10% 25V
C245 C246 C247 C248 C249	1-163-037-11 s 1-164-161-11 s	CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.022uF 10% 25V CERAMIC, CHIP 0.0022uF 10% 100V CERAMIC, CHIP 0.0022uF 10% 100V CERAMIC, CHIP 0.022uF 50V
C251-269 C270-275 C276 C277 C278	1-126-947-11 s 1-163-989-11 s 1-163-033-91 s	CERAMIC, CHIP 0.022uF 50V ELECT 47uF 20% 35V CERAMIC, CHIP 0.033uF 10% 25V CERAMIC, CHIP 0.022uF 50V CERAMIC, CHIP 0.001uF 5% 50V

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(SS-53 BOARD)		(SS-53 B	OARD)
Ref. No. or Q'ty Part No	o. SP Description	Ref. No. or Q'ty	Part No. SP Description
C280 1-162-6 C281 1-162-6 C400 1-163-6	033-91 s CERAMIC, CHIP 0.022uF 50V 667-11 s CERAMIC 10PF 5% 50V 667-11 s CERAMIC 10PF 5% 50V 033-91 s CERAMIC, CHIP 0.022uF 50V 033-91 s CERAMIC, CHIP 0.022uF 50V	IC208 IC209 IC210 IC211 IC212	8-759-926-11 s IC SN74HC138ANS 8-759-925-85 s IC SN74HC32ANS 8-759-925-76 s IC SN74HC08ANS 8-759-938-68 s IC CXD1095Q 8-759-378-01 o IC C2001-UVW1000SV-V202
C403 1-163-6 C404 1-163-6 C405 1-163-2	809-11 s CERAMIC, CHIP 0.047uF 10% 25V 033-91 s CERAMIC, CHIP 0.022uF 50V 033-91 s CERAMIC, CHIP 0.022uF 50V 275-11 s CERAMIC, CHIP 0.001uF 5% 50V 235-11 s CERAMIC, CHIP 22PF 5% 50V	IC213 IC214 IC215 IC216 IC217	8-759-507-51 s IC MS6264CLL-10FC-EF 8-759-300-71 s IC HD14053BFP 8-759-300-71 s IC HD14053BFP 8-759-925-05 s IC LM2903PS 8-759-239-23 s IC TC74HC86AF
C408 1-163-6 C409 1-163-6 C410 1-163-3	809-11 s CERAMIC, CHIP 0.047uF 10% 25V 033-91 s CERAMIC, CHIP 0.022uF 50V 033-91 s CERAMIC, CHIP 0.022uF 50V 275-11 s CERAMIC, CHIP 0.001uF 5% 50V 033-91 s CERAMIC, CHIP 0.022uF 50V	IC219 IC220 IC221 IC222 IC223	8-752-343-05 s IC CXD2202Q 8-759-100-95 s IC UPC324G2 8-759-300-71 s IC HD14053BFP 8-759-100-95 s IC UPC324G2 8-759-106-02 s IC UPC4570G2
C412 1-163-2	235-11 s CERAMIC, CHIP 22PF 5% 50V	IC224 IC225	8-759-141-05 s IC UPC4574G2 8-759-106-02 s IC UPC4570G2
CN2 1-506-4 CN3 1-560-3	484-11 s CONNECTOR 5P, MALE 481-11 s CONNECTOR 2P, MALE 369-00 o CONNECTOR, ILG 8P, MALE 782-21 o CONNECTOR, PHEC 6OP, MALE	IC226 IC227 IC228	8-759-938-68.s IC CXD1095Q 8-759-913-99 s IC MB88201-173N 8-759-927-29 s IC SN74HCU04NS
CN108 1-573-7	782-21 o CONNECTOR, PHEC 60P, MALE	IC229 IC230	8-759-977-80 s IC MB88342PF 8-759-925-05 s IC LM2903PS
CN109 1-573-7	782-21 o CONNECTOR, PHEC 60P, MALE	IC231 IC232	8-759-106-02 s IC UPC4570G2 8-759-925-05 s IC LM2903PS
	660-21 o SOCKET, IC 32P 660-21 o SOCKET, IC 32P	IC233	8-759-106-02 s IC UPC4570G2
CV1 1-141-	389-11 s CAP, TRIMMER 50PF	L1 L200 L201	1-408-411-00 s INDUCTOR 15uH 1-412-533-21 s INDUCTOR 47uH 1-412-533-21 s INDUCTOR 47uH
D200-208 8-719-9 D210 8-719-9 D211 8-719-9	941-23 s DIODE DA204U 941-23 s DIODE DA204U 938-72 s DIODE SB01-05CP 941-23 s DIODE DA204U 941-23 s DIODE DA204U	PS1 🛕	1-532-637-00 s LINK, IC 1.0A 1-532-637-00 s LINK, IC 1.0A 8-729-905-12 s TRANSISTOR DTA144EU
	941-23 s DIODE DA204U 941-23 s DIODE DA204U	Q106 Q107 Q108 Q204-209	8-729-422-44 s TRANSISTOR 2SK663 8-729-905-12 s TRANSISTOR DTA144EU 8-729-422-44 s TRANSISTOR 2SK663 8-729-905-18 s TRANSISTOR DTC144EU
IC2 8-759-1 IC3 8-759-1 IC4 8-759-1	151-97 s IC UPD70320GJ-8-5BG 043-34 s IC CXD8310M 507-51 s IC MS6264CLL-10FC-EF 326-97 o IC C1001-UVW1000SY-V200	Q210 Q211	8-729-209-06 s TRANSISTOR 2SC4213-A 8-729-209-06 s TRANSISTOR 2SC4213-A
	095-41 s IC CXD8176AQ	R1 R2	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
IC7 8-759-1 IC8 8-759-1	054-54 s IC SRM2016M10 632-39 s IC M51958A 061-67 s IC MC34051M 926-77 s IC SN74HC541ANS	R3 R4 R5	1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
	925-74 s IC TC74HC04ANS	R6 R7	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
IC12 8-759- IC15 8-759-	925-85 s IC SN74HC32ANS 925-90 s IC SN74HC74ANS -192-25 s IC UPD6453GT-635-E2 -175-77 s IC CXD8384Q	R9 R11 R12	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-089-91 s METAL, CHIP 100k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
	-100-96 s IC UPC4558G2	R14 R24	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
IC103 8-759- IC200 8-759-	-925-05 s IC LM2903PS -356-17 s IC NJM4556AM-A-TE2 -300-71 s IC HD14053BFP -510-71 s IC UPC358G2-E2	R26 R27 R31	1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-208-811-11 s METAL, CHIP 16k 0.5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
	-192-26 s IC HD6435348RA00F	R33 R35	1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
IC204 8-759- IC206 8-759-	-925-76 s IC SN74HC08ANS -925-74 s IC TC74HC04ANS -916-23 s IC SN74HC27N -925-79 s IC SN74HC11ANS	R36-R41 R43 R45	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W

(SS-53 BOARD) (SS-53 BOARD)

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R47	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R220	1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R49	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R221	
R51	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R222	
R55	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R223	
R56	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R224	
R57	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R225	1-218-764-11 s METAL, CHIP 330K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R61	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R227	
R62	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R228	
R63	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R229	
R64	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R231	
R65	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R232	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R66	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R233	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R67	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R234	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R68	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R235	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R69	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R236	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R100 R101 R102 R103 R104	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R237 R238 R239 R240 R241	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R105	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R242	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R106		R243	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R107		R244	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R108		R245	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R109		R254	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R110 R111 R112 R128 R129	1-216-067-00 s METAL, CHIP 5.6K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R255 R256 R257 R258 R260	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R130	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R261	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-105-91 s METAL, CHIP 220k 5% 1/10W 1-216-105-91 s METAL, CHIP 220k 5% 1/10W
R131	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R262	
R132	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R263	
R133	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R264	
R134	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R265	
R135	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R268	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R136	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R269	
R137	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R275	
R138	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R276	
R139	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W	R277	
R140 R141 R142 R145 R146	1-216-071-00 s METAL, CHIP 8.2K 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R281 R282 R283 R284 R285	1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-220-221-11 s METAL, CHIP 100 5% 1/2W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R149	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R286	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R150	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R287	
R151	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R288	
R200	1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W	R289	
R201	1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W	R290	
R202 R203 R204-213 R214 R215	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-218-764-11 s METAL, CHIP 330K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R291 R292 R294 R295 R297	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R216	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R298	1-216-109-00 s METAL, CHIP 330K 5% 1/10W 1-216-109-00 s METAL, CHIP 330K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R217	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R299	
R218	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R300	
R219	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R302	

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Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R303 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R304 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R306 1-216-025-91 s METAL, CHIP 100 5% 1/10W R307 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R309 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R402 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R403 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R404 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R405 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R406 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R310 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R311 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R312 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R313 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R314 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R407 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R315 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R316 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R317 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R318 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R319 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R412 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R413 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R414 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R415 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R416 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R320 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R321 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R322 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R323 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R324 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R417 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W R418 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W R419 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R420 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R421 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R325 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R326-331 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R332 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R422 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R333 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R334 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	RB1 1-239-304-11 s RESISTOR BLOCK, CHIP 2.2kx8 RB2 1-239-308-11 s RESISTOR BLOCK, CHIP 47kx8 RB201 1-239-304-11 s RESISTOR BLOCK, CHIP 2.2kx8
R335 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R336 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R337 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	RB202 1-239-309-11 s RESISTOR BLOCK, CHIP 100kx8 RB203 1-239-306-11 s RESISTOR BLOCK, CHIP 10kx8
R338 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R339 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	S1 1-692-535-11 s SWITCH, DIP 4-CKT S201 1-692-536-11 s SWITCH, DIP 8-CKT
R340 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R341 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R342 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R343 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R344 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	X1 1-579-930-12 s RESONATOR, CERAMIC 16.00MHz X101 1-579-993-21 s CRYSTAL 13.50MHz X200 1-579-996-21 s RESONATOR, CERAMIC 20.00MHz
R345 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R346-350 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R351 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R352 1-216-039-00 s METAL, CHIP 390 5% 1/10W R353-381 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	
R382 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R383 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R385 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R386 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R387 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	
R388 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R389 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R390 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R391 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R392 1-216-025-91 s METAL, CHIP 100 5% 1/10W	
R393 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R394 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R395 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R396 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R397 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	
R398 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R399 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R400 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R401 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description	
C364 C400 C401 C402 C404	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C502	0V 0V 0V
C405 C406 C407 C408 C409	1-126-947-11 s ELECT 47uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-222-11 s CERAMIC, CHIP 5PF 50V 1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C507	0V 0V
C410 C411 C412 C413 C414-419	1-126-947-11 s ELECT 47uF 20% 35V 1-163-106-00 s CERAMIC, CHIP 36PF 5% 50V 1-163-120-00 s CERAMIC, CHIP 130PF 5% 50V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C512	0V 50V 0V
C420 C421 C422 C423 C424	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C525	25V 0V 25V
C425 C426 C427 C428 C429	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-124-903-11 s ELECT 1uF 20% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-124-903-11 s ELECT 1uF 20% 50V	C530	0V 25V 0V
C430 C431 C432 C433 C434	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C535	0 <b>V</b>
C435 C436 C437 C438 C439	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C540	0V
C440 C441 C443 C444 C445	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C545	0V 0V 0V
C446 C447 C448 C449 C450	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-126-933-11 s ELECT 100uF 20% 16V 1-164-489-11 s CERAMIC, CHIP 0.22uF 10% 16V 1-124-925-11 s ELECT 2.2uF 20% 100V	C700	% 100V
C451 C452 C454 C455 C456	1-124-925-11 s ELECT 2.2uF 20% 100V 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-126-947-11 s ELECT 47uF 20% 35V	C705	0V 25V
C457 C458 C459 C461 C462	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	C716	OV
C463 C464 C465 C501	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C721 1-163-033-91 s CERAMIC, CHIP 0.022uF 5 C722 1-126-947-11 s ELECT 47uF 20% 35V C723-728 1-163-033-91 s CERAMIC, CHIP 0.022uF 5 C729 1-126-947-11 s ELECT 47uF 20% 35V	

IC4

IC5

IC6

IC7

IC100

IC101

IC102

IC103

8-759-822-95 s IC L79M05T-FA

8-759-182-84 s IC PQ05SZ5U

8-759-182-84 s IC PQ05SZ5U

8-759-182-84 s IC PQ05SZ5U

8-759-908-15 s IC TL431CLP

8-752-334-55 s IC CXD1175M

8-759-030-74 s IC SC14S66FEL 8-759-981-48 s IC NJM082M

C781

C782

C783

C784

C785

C787

C788

C789 C790 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

1--163--125--00 s CERAMIC, CHIP 220PF 5% 50V

1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

1-126-947-11 s ELECT 47uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V

(TBC-25	BOARD (UVW-1800/1600))	(TBC-25 BOARD(UVW-1800/1600))
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
IC200 IC203 IC300 IC301 IC302	8-759-030-74 s IC SC14S66FEL 8-752-334-55 s IC CXD1175M 8-759-702-08 s IC NJM360M 8-752-339-03 s IC CXD2207Q 8-759-300-71 s IC HD14053BFP	IC703 8-759-987-27 s IC LM1881M IC704 8-759-100-96 s IC UPC4558G2 IC705 8-759-981-48 s IC NJM082M IC706 8-759-702-08 s IC NJM360M IC707 8-759-100-96 s IC UPC4558G2
IC303 IC304 IC305 IC306 IC307	8-759-100-96 s IC UPC4558G2 8-759-100-96 s IC UPC4558G2 8-759-941-27 s IC MB4002PF 8-759-907-81 s IC SN74LS221NS 8-759-991-85 s IC 74F00SJ	IC708 8-759-908-15 s IC TL431CLP IC709 8-759-980-04 s IC LM311PS IC710 8-759-239-55 s IC TC74HC123AF IC711 8-759-925-74 s IC TC74HC04ANS IC712 8-759-250-81 s IC TC5081AP
IC308 IC310 IC400 IC401 IC402	8-759-030-74 s IC SC14S66FEL 8-759-035-93 s IC TC7S32F-TE85L 8-759-702-08 s IC NJM360M 8-752-339-03 s IC CXD2207Q 8-759-100-96 s IC UPC4558G2	IC713 8-752-335-47 s IC CXD1216M IC714 8-759-336-06 s IC MC68HC05C4-SC412511FU IC715 8-759-300-71 s IC HD14053BFP IC716 8-759-925-76 s IC SN74HC08ANS IC717 8-759-241-03 s IC TC74HC191AF
IC403 IC404 IC405 IC406 IC407	8-759-100-96 s IC UPC4558G2 8-759-702-08 s IC NJM360M 8-759-907-81 s IC SN74LS221NS 8-759-926-24 s IC SN74HC164ANS 8-759-991-85 s IC 74F00SJ	IC718 8-759-031-84 s IC TC7S04F IC719 8-759-031-84 s IC TC7S04F IC720 8-759-925-90 s IC SN74HC74ANS IC721 8-759-239-55 s IC TC74HC123AF IC722 8-759-519-49 s IC CXD8165Q
IC408 IC409 IC501 IC502 IC503	8-759-030-74 s IC SC14S66FEL 8-759-035-93 s IC TC7S32F-TE85L 8-752-362-70 s IC CXD101-106Q 8-752-362-70 s IC CXD101-106Q 8-759-055-71 s IC CXD8313Q	IC723 8-752-334-64 s IC CXD1171M IC724 8-752-334-64 s IC CXD1171M IC725 8-752-052-77 s IC CXA1450M IC726 8-759-981-48 s IC NJM082M IC727 8-759-239-55 s IC TC74HC123AF
IC504 IC505 IC506 IC507 IC508	8-759-055-71 s IC CXD8313Q 8-752-340-52 s IC CXK48324Q 8-759-926-55 s IC SN74HC266NS 8-759-147-05 s IC UPD42101G-3 8-752-340-52 s IC CXK48324Q	IC728 8-759-031-84 s IC TC7S04F  L1-L5 1-412-533-21 s INDUCTOR 47uH L100 1-410-478-11 s INDUCTOR 47uH L101 1-410-476-11 s INDUCTOR 33uH
IC509 IC510 IC511 IC512 IC513	8-759-927-46 s IC SN74HC00ANS 8-759-926-77 s IC SN74HC541ANS 8-759-925-78 s IC SN74HC10ANS 8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS	L102 1-410-478-11 s INDUCTOR 47uH L103 1-410-478-11 s INDUCTOR 47uH L200 1-410-478-11 s INDUCTOR 47uH L201 1-410-476-11 s INDUCTOR 33uH L202 1-410-478-11 s INDUCTOR 47uH
IC514 IC515 IC516 IC517 IC518	8-759-239-55 s IC TC74HC123AF 8-759-100-96 s IC UPC4558G2 8-759-100-96 s IC UPC4558G2 8-759-100-96 s IC UPC4558G2 8-752-363-43 s IC CXD1171M-1-TH	L203 1-410-478-11 s INDUCTOR 47uH L300 1-410-478-11 s INDUCTOR 47uH L301 1-410-478-11 s INDUCTOR 47uH L302 1-408-621-31 s INDUCTOR 330uH L303 1-410-492-11 s INDUCTOR 680uH
IC519 IC520 IC521 IC522 IC523	8-752-363-43 s IC CXD1171M-1-TH 8-752-363-43 s IC CXD1171M-1-TH 8-752-052-77 s IC CXA1450M 8-759-926-24 s IC SN74HC164ANS 8-759-925-85 s IC SN74HC32ANS	L304 1-408-419-00 s INDUCTOR 68uH L305 1-410-478-11 s INDUCTOR 47uH L306 1-410-478-11 s INDUCTOR 47uH L307 1-408-406-00 s INDUCTOR 5.6uH L400 1-410-478-11 s INDUCTOR 47uH L401 1-410-478-11 s INDUCTOR 47uH
IC524 IC525 IC526 IC527 IC528	8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS 8-759-925-90 s IC SN74HC74ANS	L402 1-408-411-00 s INDUCTOR 15uH  L403 1-410-476-11 s INDUCTOR 33uH  L404 1-410-482-31 s INDUCTOR 10uH  L405 1-408-425-00 s INDUCTOR 220uH  L406 1-408-416-00 s INDUCTOR 39uH
IC529 IC530 IC531 IC532 IC533	8-759-926-27 s IC SN74HC173NS 8-759-926-27 s IC SN74HC173NS 8-759-926-27 s IC SN74HC173NS 8-759-926-27 s IC SN74HC173NS 8-759-031-84 s IC TC7S04F	L407 1-410-478-11 s INDUCTOR 47uH  L408 1-410-478-11 s INDUCTOR 47uH  L500-504 1-410-478-11 s INDUCTOR 47uH  L700 1-410-482-31 s INDUCTOR 100uH  L701 1-408-419-00 s INDUCTOR 68uH
IC534 IC700 IC701 IC702	8-759-926-56 s IC SN74HC273ANS 8-759-300-71 s IC HD14053BFP 8-759-981-48 s IC NJM082M 8-759-009-05 s IC MC14051BF	L702-709 1-410-478-11 s INDUCTOR 47uH  LV300 1-406-746-11 s INDUCTOR, VAR 22uH  LV400 1-406-745-11 s INDUCTOR, VAR 6.8uH

Dof Mo		Dof No	
Ref. No.	Part No. SP Description	Ref. No.	Part No. SP Description
01 <b>q</b> t)	Tare no.	· 01 q 0)	Ture not be best special
Q100	8-729-117-32 s TRANSISTOR 2SC4177	R122	1-216-017-91 s METAL, CHIP 47 5% 1/10W
0101	O EGO 11E GO MINISTOTON GOGLIEE	R123	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q101	8-729-117-32 s TRANSISTOR 2SC4177	R124	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q102 Q103	8-729-117-32 s TRANSISTOR 2SC4177 8-729-118-56 s TRANSISTOR 2SK852-X2	R125 R200	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-638-11 s METAL. CHIP 300 0.5% 1/10W
Q103 Q104	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	K200	1-210-030-11 S METAL, CHIT 300 0.3% 1/10#
Q200	8-729-117-32 s TRANSISTOR 2SC4177	R201	1-216-025-91 s METAL, CHIP 100 5% 1/10W
		R202	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
Q201	8-729-117-32 s TRANSISTOR 2SC4177	R203	1-216-041-00 s METAL, CHIP 470 5% 1/10W
Q202	8-729-117-32 s TRANSISTOR 2SC4177	R204	1-216-033-00 s METAL, CHIP 220 5% 1/10W
Q203	8-729-118-56 s TRANSISTOR 2SK852-X2	R205	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q300 Q301	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R206	1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W
Ø301	0-125-111-52 \$ TRANSISTOR 2504177	R207	1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W
Q302	8-729-117-32 s TRANSISTOR 2SC4177	R208	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W
Q303	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R209	1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q304	8-729-140-47 s TRANSISTOR 2SC3735-B34	R210	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
Q305	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	D011	1 016 050 00 MPDM OUTD 101 50 1 (10F
Q306	8-729-117-32 s TRANSISTOR 2SC4177	R211	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q400	8-729-117-32 s TRANSISTOR 2SC4177	R212 R213	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W
Q401	8-729-117-32 s TRANSISTOR 2SC4177	R213	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q402	8-729-117-32 s TRANSISTOR 2SC4177	R215	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Q403	8-729-117-32 s TRANSISTOR 2SC4177		· ·
Q404	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R222	1-216-017-91 s METAL, CHIP 47 5% 1/10W
0.40=	0 500 140 45	R223	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q405	8-729-140-47 s TRANSISTOR 2SC3735-B34	R301	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W
Q406 Q407	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-117-32 s TRANSISTOR 2SC4177	R302 R303	1-216-065-00 S METAL, CHIP 35K 5% 1/10W
Q500	8-729-117-32 s TRANSISTOR 2SC4177	ROOD	1-210-000-00 S METAL, OHIT 4.7K 5% 1/10W
Q501	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R304	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
-		R305	1-216-085-00 s METAL, CHIP 33K 5% 1/10W
Q502	8-729-117-32 s TRANSISTOR 2SC4177	R306	1-216-017-91 s METAL, CHIP 47 5% 1/10W
Q503	8-729-117-32 s TRANSISTOR 2SC4177	R307	1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W
Q700	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R308	1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q701 Q702	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R309	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
Q102	0-125-111-02 3 Humororon 250-111	R310	1-216-033-00 s METAL, CHIP 220 5% 1/10W
Q703	8-729-117-32 s TRANSISTOR 2SC4177	R311	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q704	8-729-117-32 s TRANSISTOR 2SC4177	R312	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
Q705	8-729-140-47 s TRANSISTOR 2SC3735-B34	R313	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W
Q706	8-729-140-47 s TRANSISTOR 2SC3735-B34	D214	1 010 040 01 - METAL CUID 11 EN 1/10W
W101-111	8-729-117-32 s TRANSISTOR 2SC4177	R314 R315	1-216-049-91 s METAL, CHIP 1k 5% 1/10\ 1-216-089-91 s METAL, CHIP 47k 5% 1/10\ 1-216-089-91 s METAL, CHIP 47k 5% 1/10\
R100	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R316	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R101	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R317	1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W
R102	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R318	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R103	1-216-041-00 s METAL, CHIP 470 5% 1/10W		
R104	1-216-033-00 s METAL, CHIP 220 5% 1/10W	R319	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R105	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R320 R321	1-216-295-91 s RES, CHIP 0 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R105	1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W	R321	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
R107	1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W	R323	1-216-033-00 s METAL, CHIP 220 5% 1/10W
R108	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W		
R109	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R324	1-216-033-00 s METAL, CHIP 220 5% 1/10W
D110	1 01C 000 00 MPTMI OUTD CON FW 1/10W	R325	1-216-117-00 s METAL, CHIP 680K 5% 1/10W
R110 R111	1-216-093-00 s METAL, CHIP 68K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W	R326 R328	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R111	1-216-049-91 s METAL, CHIP 3.3K 5% 1/10W	R328 R329	1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W
R113	1-216-017-91 s METAL, CHIP 47 5% 1/10W		
R114	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R330	1-216-634-11 s METAL, CHIP 200 0.5% 1/10W
D	1 010 00F 01 NDDU CONTRACTOR	R331	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R115	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R332	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R116 R117	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R333 R334	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R118	1-216-037-00 S METAL, CHIP 2.2K 5% 1/10W	roo4	1-210-121-21 S MILIAD, CHIL IM DA 1/1UM
R119	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R335	1-216-033-00 s METAL, CHIP 220 5% 1/10W
		R336	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
R120	1-216-033-00 s METAL, CHIP 220 5% 1/10W	R337	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W
R121	1-216-033-00 s METAL, CHIP 220 5% 1/10W	R338	1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R339 R340 R341 R342 R343	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W	R432 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R433 1-216-033-00 s METAL, CHIP 220 5% 1/10W R434 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R435 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R436 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
R344 R345 R346 R348 R350	1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R437 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W R438 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R439 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R440 1-216-025-91 s METAL, CHIP 100 5% 1/10W R441 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R352 R353 R354 R358 R359	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R442 1-216-033-00 s METAL, CHIP 220 5% 1/10W R443 1-216-033-00 s METAL, CHIP 220 5% 1/10W R444 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R445 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R446 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R360 R361 R363 R367 R369	1-216-109-00 s METAL, CHIP 330K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R447 1-216-037-00 s METAL, CHIP 330 5% 1/10W R448 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R449 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R450 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R451 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R371 R372 R373 R374 R375	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W	R452 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R453 1-216-109-00 s METAL, CHIP 330K 5% 1/10W R454 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R455 1-216-017-91 s METAL, CHIP 47 5% 1/10W R456 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R376 R380 R400 R401 R402	1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R457 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R458 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R459 1-216-041-00 s METAL, CHIP 470 5% 1/10W R460 1-216-041-00 s METAL, CHIP 470 5% 1/10W R461 1-216-085-00 s METAL, CHIP 33K 5% 1/10W
R403 R404 R405 R406 R407	1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R462 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R463 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R464 1-216-017-91 s METAL, CHIP 47 5% 1/10W R468 1-216-634-11 s METAL, CHIP 200 0.5% 1/10W R469 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W
R408 R409 R410 R411 R412	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R470 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R500-506 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R507 1-216-041-00 s METAL, CHIP 470 5% 1/10W R508-512 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R513 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R413 R414 R415 R416 R417	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R514 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R515 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R516 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R540 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R541 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R418 R419 R420 R421 R422	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R542 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R543 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R545 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R546 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R547 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R423 R424 R425 R426 R427	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-117-00 s METAL, CHIP 680K 5% 1/10W 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W	R548 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R549 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R550 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R551 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R552 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R428 R429 R430 R431	1-216-623-11 s METAL, CHIP 68 0.5% 1/10W 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W	R553 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R554 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R555 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R556 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description	
R557 R558 R559 R560 R561	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W	R719 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R720 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R721 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R722 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R723 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	720 1-208-814-1 721 1-208-817-1 722 1-216-069-0
R562 R563 R564 R565 R566	1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W	R724 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R725 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R726 1-216-041-00 s METAL, CHIP 470 5% 1/10W R727 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W R728 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W	725 1-208-817-1 726 1-216-041-00 727 1-208-800-1
R567 R568 R569 R570 R571	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R729 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R730 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R731 1-216-093-00 s METAL, CHIP 68K 5% 1/10W R732 1-216-025-91 s METAL, CHIP 100 5% 1/10W R733 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	730 1-216-049-9 731 1-216-093-0 732 1-216-025-9
R572 R573 R574 R575 R576	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R734 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R735 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W R736 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W R737 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R738 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	735 1-216-671-1 736 1-216-061-06 737 1-216-097-9
R577 R578 R579 R580 R581	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R739 1-216-017-91 s METAL, CHIP 47 5% 1/10W R740 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R741 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R742 1-216-017-91 s METAL, CHIP 47 5% 1/10W R743 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	740 1-216-049-9 741 1-208-822-1 742 1-216-017-9
R582 R583 R584 R585 R586	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-645-11 s METAL, CHIP 560 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W	R744 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R745 1-216-017-91 s METAL, CHIP 47 5% 1/10W R746 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R747 1-216-041-00 s METAL, CHIP 470 5% 1/10W R748 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	745 1-216-017-9 746 1-216-049-9 747 1-216-041-0
R587 R588 R589 R590 R591	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R750 1-208-811-11 s METAL, CHIP 16k 0.5% 1/10W R751 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R753 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R755 1-216-017-91 s METAL, CHIP 47 5% 1/10W R756 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	751 1-216-097-9 753 1-216-097-9 755 1-216-017-9
R592 R593 R595 R596 R598	1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-111-91 s METAL, CHIP 390k 5% 1/10W 1-216-111-91 s METAL, CHIP 390k 5% 1/10W 1-216-111-91 s METAL, CHIP 390k 5% 1/10W	R757 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R758 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R759 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R760 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R761 1-216-085-00 s METAL, CHIP 33K 5% 1/10W	758 1-216-065-0 759 1-216-065-0 760 1-216-073-0
R700 R701 R702 R703 R704	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W	R762 1-216-017-91 s METAL, CHIP 47 5% 1/10W R763 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R764 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R765 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W R766 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W	763 1-216-085-0 764 1-208-789-1 765 1-216-051-0
R705 R706 R707 R708 R709	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W	R767 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W R768 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W R769 1-216-037-00 s METAL, CHIP 330 5% 1/10W R770 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W R771 1-216-037-00 s METAL, CHIP 330 5% 1/10W	768 1-216-648-1 769 1-216-037-0 770 1-216-648-1
R710 R711 R712 R713 R714	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 1ZK 0.5% 1/10W	R772 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R773 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R774 1-216-069-00 s METAL, CHIP 30k 0.5% 1/10W R775 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R776 1-216-041-00 s METAL, CHIP 470 5% 1/10W	773 1-208-817-1 774 1-216-069-0 775 1-208-817-1
R715 R716 R717 R718	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W	R777 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R778 1-216-017-91 s METAL, CHIP 47 5% 1/10W R780 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R781 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10	778 1–216–017–9 780 1–216–097–9

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(TBC-25 BOARD (UVW-1800/1600))
                                                                                             (TBC-25 BOARD (UVW-1800/1600))
Ref. No.
                                                                                             Ref. No.
or Q'ty Part No.
                              SP Description
                                                                                             or Q'ty Part No.
                                                                                                                           SP Description
            1\text{--}216\text{--}017\text{--}91 s METAL, CHIP 47 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
                                                                                                          1-241-784-11 s RES, ADJ METAL 4.7k
1-241-784-11 s RES, ADJ METAL 4.7k
R782
                                                                                             RV500
R783
                                                                                             RV501
            1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W
1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R784
                                                                                             RV502
                                                                                                          1-241-785-11 s RES, ADJ METAL 10k
R785
                                                                                             RV700
                                                                                                          1-241-785-11 s RES, ADJ METAL 10k
                                                                                                          1-241-785-11 s RES, ADJ METAL 10k
R786
                                                                                             RV701
                                                                                                          1-241-786-11 s RES, ADJ METAL 22k
1-241-784-11 s RES, ADJ METAL 4.7k
            1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W
R787
                                                                                             RV702
R788
                                                                                             RV703
            1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
R789
R790
                                                                                             S500
                                                                                                          1-692-535-11 s SWITCH, DIP 4-CKT
R791
             1-216-041-00 s METAL, CHIP 470 5% 1/10W
                                                                                             TH400
                                                                                                          1-807-972-11 s THERMISTOR SV-1715 1.25k
            R792
R793
                                                                                             X700
                                                                                                          1-527-722-00 s CRYSTAL 14.31818MHz
             1-216-619-11 s METAL, CHIP 47 0.5% 1/10W
R794
                                                                                             X701
                                                                                                          1-579-459-11 s CRYSTAL 13.5MHz
R795
             1-216-295-91 s RES, CHIP 0
R796
             1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R797
             1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
             1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R798
            1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W
R799
R800
             1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R801
R802-807 1-216-041-00 s METAL, CHIP 470 5\% 1/10W
            1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R810
R811
R812
R813
            1\text{--}208\text{--}806\text{--}11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R814
R815
            1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R816
R817
R818
            1\text{--}216\text{--}065\text{--}00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R819
R820
             1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W
R821
             1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R822
R823
R824
             1-216-073-00 s METAL, CHIP 10K 5% 1/10W
             1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W
R825
R826
             1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R827
R828
             1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
R829
R830
             1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
             1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R831
R832
             1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R833
R834
             1-216-049-91 s METAL, CHIP 1k 5% 1/10W
             1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
R835
R836
             1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R837
             1-216-115-00 s METAL, CHIP 560K 5% 1/10W
R838
             1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R839
R840
RV100
             1-241-758-11 s RES, ADJ METAL 100
             1-241-758-11 s RES, ADJ METAL 100
RV200
RV300
             1-241-786-11 s RES, ADJ METAL 22k
             1-241-763-11 s RES, ADJ METAL 4.7k
1-241-786-11 s RES, ADJ METAL 22k
RV301
RV400
RV401
             1-241-763-11 s RES, ADJ METAL 4.7k
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C363

1-126-947-11 s ELECT 47uF 20% 35V

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C364	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C503	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C400	1-126-947-11 s ELECT 47uF 20% 35V	C504	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C401	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C505	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C402	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C506	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C404	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C507	1-126-947-11 s ELECT 47uF 20% 35V
C405	1-126-947-11 s ELECT 47uF 20% 35V	C508	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C406	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C509	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C407	1-163-222-11 s CERAMIC, CHIP 5PF 50V	C510	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C408	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	C511	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C409	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C512	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V
C410	1-126-947-11 s ELECT 47uF 20% 35V	C513	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C411	1-163-106-00 s CERAMIC, CHIP 36PF 5% 50V	C514	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C412	1-163-120-00 s CERAMIC, CHIP 130PF 5% 50V	C515–523	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C413	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C524	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C414-419	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C525	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C420	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	C526	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C421	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C527	
C422	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C528	
C424	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C529	
C425	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V	C530	
C426	1-124-903-11 s ELECT 1uF 20% 50V	C531	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C427	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C532	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C428	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C533	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C429	1-124-903-11 s ELECT 1uF 20% 50V	C534	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C430	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C535	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C431	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C536	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C432	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V	C537	1-126-947-11 s ELECT 47uF 20% 35V
C433	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C538	1-126-947-11 s ELECT 47uF 20% 35V
C434	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C539	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C435	1-126-933-11 s ELECT 100uF 20% 16V	C540	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C436	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C541	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
C437	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C542	1-126-947-11 s ELECT 47uF 20% 35V
C438	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V	C543	1-126-947-11 s ELECT 47uF 20% 35V
C439	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C544	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C440	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C546	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C441	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C547-552	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C443	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C554	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C444	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C555	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C445	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C700	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V
C446	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C701	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V
C447	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C702	1-126-964-11 s ELECT 10uF 20% 50V
C448	1-126-933-11 s ELECT 100uF 20% 16V	C703	1-126-964-11 s ELECT 10uF 20% 50V
C449	1-164-489-11 s CERAMIC, CHIP 0.22uF 10% 16V	C704	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C450	1-124-925-11 s ELECT 2.2uF 20% 100V	C705	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V
C451	1-124-925-11 s ELECT 2.2uF 20% 100V	C706	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C452	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C707	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C454	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C708	1-126-947-11 s ELECT 47uF 20% 35V
C455	1-126-947-11 s ELECT 47uF 20% 35V	C709-715	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C456	1-126-947-11 s ELECT 47uF 20% 35V	C716	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
C457	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C717	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C458	1-126-947-11 s ELECT 47uF 20% 35V	C718	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C459	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C719	1-126-947-11 s ELECT 47uF 20% 35V
C461	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C720	1-130-489-00 s MYLAR 0.033uF 5% 50V
C462	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	C721	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C463	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C722	1-126-947-11 s ELECT 47uF 20% 35V
C464	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C723-728	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C465	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C729	1-126-947-11 s ELECT 47uF 20% 35V
C501	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C730	1-126-947-11 s ELECT 47uF 20% 35V
C502	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C731	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V

(120 201	20001/10001//	(150 501	Domine (OTH TOUGH)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C732 C733 C734 C735 C736	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C795 C796 C797	1-126-947-11 s ELECT 47uF 20% 35V 1-124-903-11 s ELECT 1uF 20% 50V 1-164-222-11 s CERAMIC, CHIP 0.22uF 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V
C738 C739 C740 C741 C742	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V 1-131-347-00 s TANTALUM 1uF 10% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C798 C799 C800 C805 C806	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C743 C744 C746 C747 C748	1-131-363-00 s TANTALUM 4.7uF 10% 20V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-106-00 s CERAMIC, CHIP 36PF 5% 50V	CN1 CN2 CN105 CN106	1-564-005-11 o CONNECTOR 6P, MALE 1-564-005-11 o CONNECTOR 6P, MALE 1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-573-782-21 o CONNECTOR, PHEC 60P, MALE
C749 C750	1-163-106-00 s CERAMIC, CHIP 36PF 5% 50V  1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V  1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V  1-163-243-11 s CERAMIC CHIP 47PF 5% 50V	CV700 CV701	1-141-443-11 s CAP, TRIMMER 30pF 1-141-443-11 s CAP, TRIMMER 30pF
C751 C752 C753	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V	D1 D2 D100 D101	8-719-941-04 s DIODE SB007-03CP 8-719-941-04 s DIODE SB007-03CP 8-719-941-23 s DIODE DA204U 8-719-123-82 s DIODE 1SS303-T1
C754 C755 C756 C757 C758	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	D102 D200 D301 D302 D303	8-719-123-85 s DIODE 1SS304 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-105-38 s DIODE RD3.0M-B1 8-719-041-39 s DIODE KV1470
C759 C760 C761 C762 C763	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-126-947-11 s ELECT 1uF 20% 35V 1-124-903-11 s ELECT 1uF 20% 50V	D304 D305 D401 D402	8-719-041-39 s DIODE KV1470 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-105-38 s DIODE RD3.0M-B1
C764 C765 C766 C767 C768	1-126-947-11 s ELECT 47uF 20% 35V 1-124-903-11 s ELECT 1uF 20% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	D403 D404 D502 D503 D504	8-719-041-39 s DIODE KV1470 8-719-041-39 s DIODE KV1470 8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-941-23 s DIODE DA204U
C769 C770 C771 C772 C773	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	D505 D506 D701 D702 D703	8-719-123-85 s DIODE 1SS304 8-719-123-85 s DIODE 1SS304 8-719-123-82 s DIODE 1SS303-T1 8-719-002-81 s DIODE 1T363A-M20-T8A 8-719-002-81 s DIODE 1T363A-M20-T8A
C774 C775 C776 C777	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	FL500 FL501 FL502	1-239-769-11 s FILTER, LOW-PASS 5MHz 1-239-767-11 s FILTER, LOW-PASS 2MHz 1-239-767-11 s FILTER, LOW-PASS 2MHz
C778 C779 C780 C781 C782	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-947-11 s ELECT 47uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC1 IC2 IC3 IC4 IC5	8-759-168-20 s IC TA78L09S 8-759-168-20 s IC TA78L09S 8-759-822-95 s IC L79M05T-FA 8-759-822-95 s IC L79M05T-FA 8-759-182-84 s IC PQ05SZ5U
C783 C784 C785 C786	1-126-947-11 s ELECT 47uF 20% 35V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	IC6 IC7 IC100 IC101 IC102	8-759-182-84 s IC PQ05SZ5U 8-759-182-84 s IC PQ05SZ5U 8-759-030-74 s IC SC14S66FEL 8-759-981-48 s IC NJM082M 8-759-908-15 s IC TL431CLP
C787 C788 C789 C790 C791 C792	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-126-964-11 s ELECT 10uF 20% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-947-11 s ELECT 47uF 20% 35V	IC103 IC200 IC203 IC300 IC301	8-752-334-55 s IC CXD1175M 8-759-030-74 s IC SC14S66FEL 8-752-334-55 s IC CXD1175M 8-759-702-08 s IC NJM360M 8-752-339-03 s IC CXD2207Q

(TBC-25P	BOARD(UVW-1800P/1600P))	(TBC-25P BOA	ARD(UVW-1800P/1600P))
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Pan	rt No. SP Description
IC302 IC303 IC304 IC305 IC306	8-759-300-71 s IC HD14053BFP 8-759-100-96 s IC UPC4558G2 8-759-910-96 s IC UPC4558G2 8-759-941-27 s IC MB4002PF 8-759-907-81 s IC SN74LS221NS	IC713 8-7 IC714 8-7 IC715 8-7	759-250-81 s IC TC5081AP 752-335-47 s IC CXD1216M 759-336-06 s IC MC68HC05C4-SC412511FU 759-300-71 s IC HD14053BFP 759-925-76 s IC SN74HC08ANS
IC307 IC308 IC309 IC310 IC400	8-759-991-85 s IC 74F00SJ 8-759-030-74 s IC SC14S66FEL 8-759-981-48 s IC NJM082M 8-759-035-93 s IC TC7S32F-TE85L 8-759-702-08 s IC NJM360M	IC718 8-7 IC719 8-7 IC720 8-7	759-241-03 s IC TC74HC191AF 759-031-84 s IC TC7S04F 759-031-84 s IC TC7S04F 759-925-90 s IC SN74HC74ANS 759-239-55 s IC TC74HC123AF
IC401 IC402 IC403 IC404 IC405	8-752-339-03 s IC CXD2207Q 8-759-100-96 s IC UPC4558G2 8-759-100-96 s IC UPC4558G2 8-759-702-08 s IC NJM360M 8-759-907-81 s IC SN74LS221NS	IC723 8-7 IC724 8-7 IC725 8-7	759-519-49 s IC CXD8165Q 752-334-64 s IC CXD1171M 752-334-64 s IC CXD1171M 752-052-77 s IC CXA1450M 759-981-48 s IC NJM082M
IC406 IC407	8-759-926-24 s IC SN74HC164ANS 8-759-991-85 s IC 74F00SJ	IC728 8-7	759-031-84 s IC TC7S04F
IC408 IC409 IC501	8-759-030-93 s IC 74F005J 8-759-035-93 s IC TC7S32F-TE85L 8-752-362-70 s IC CXD101-106Q	L100 1-4 L101 1-4 L102 1-4	412-533-21 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH 410-476-11 s INDUCTOR 33uH 410-478-11 s INDUCTOR 47uH
IC502 IC503 IC504 IC505 IC506	8-752-362-70 s IC CXD101-106Q 8-759-055-71 s IC CXD8313Q 8-759-055-71 s IC CXD8313Q 8-752-340-52 s IC CXK48324Q 8-759-926-55 s IC SN74HC266NS	L200 1-4 L201 1-4	410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH 410-476-11 s INDUCTOR 33uH 410-478-11 s INDUCTOR 47uH
IC507 IC508 IC509	8-759-147-05 s IC UPD42101G-3 8-752-340-52 s IC CXK48324Q 8-759-927-46 s IC SN74HC00ANS	L203 1-4 L300 1-4 L301 1-4	410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH
IC510 IC511	8-759-926-77 s IC SN74HC541ANS 8-759-925-78 s IC SN74HC10ANS	L303 1-4	408-621-31 s INDUCTOR 330uH 410-492-11 s INDUCTOR 680uH 408-419-00 s INDUCTOR 68uH
IC512 IC513 IC514 IC515 IC516	8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS 8-759-239-55 s IC TC74HC123AF 8-759-100-96 s IC UPC4558G2 8-759-100-96 s IC UPC4558G2	L305 1-4 L306 1-4 L307 1-4 L400 1-4	410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 5.6uH 410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH
IC517 IC518 IC519 IC520 IC521	8-759-100-96 s IC UPC4558G2 8-752-363-43 s IC CXD1171M-1-TH 8-752-363-43 s IC CXD1171M-1-TH 8-752-363-43 s IC CXD1171M-1-TH 8-752-052-77 s IC CXA1450M	L402 1-4 L403 1-4 L404 1-4 L405 1-4	410-476-11 s INDUCTOR 15uH 410-476-11 s INDUCTOR 33uH 410-482-31 s INDUCTOR 100uH 408-425-00 s INDUCTOR 220uH
IC522 IC523 IC524 IC525 IC526	8-759-926-24 s IC SN74HC164ANS 8-759-925-85 s IC SN74HC32ANS 8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS 8-759-926-18 s IC SN74HC157ANS	L407 1-4 L408 1-4 L500-504 1-4	408-416-00 s INDUCTOR 39uH 410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH 410-478-11 s INDUCTOR 47uH 410-482-31 s INDUCTOR 100uH
IC527 IC528	8-759-926-18 s IC SN74HC157ANS 8-759-925-90 s IC SN74HC74ANS	L701 1 L702-709 1	408-419-00 s INDUCTOR 68uH 410-478-11 s INDUCTOR 47uH
IC700 IC701 IC702	8-759-300-71 s IC HD14053BFP 8-759-981-48 s IC NJM082M 8-759-009-05 s IC MC14051BF	LV400 1-	406-746-11 s INDUCTOR, VAR 22uH 406-745-11 s INDUCTOR, VAR 6.8uH
IC703 IC704 IC705 IC706 IC707	8-759-987-27 s IC LM1881M 8-759-100-96 s IC UPC4558G2 8-759-981-48 s IC NJM082M 8-759-702-08 s IC NJM360M 8-759-100-96 s IC UPC4558G2	Q101 8- Q102 8- Q103 8- Q104 8-	729-117-32 s TRANSISTOR 2SC4177 729-117-32 s TRANSISTOR 2SC4177 729-117-32 s TRANSISTOR 2SC4177 729-118-56 s TRANSISTOR 2SC4177 729-140-63 s TRANSISTOR 2SC4177
IC708 IC709 IC710 IC711	8-759-908-15 s IC TL431CLP 8-759-980-04 s IC LM311PS 8-759-239-55 s IC TC74HC123AF 8-759-925-74 s IC TC74HC04ANS	Q201 8- Q202 8- Q203 8-	-729-117-32 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177 -729-118-56 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
Q301 Q302 Q303 Q304 Q305	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-140-47 s TRANSISTOR 2SC3735-B34 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R206 R207 R208 R209 R210	1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
Q306 Q400 Q401 Q402 Q403	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R211 R212 R213 R214 R215	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Q404 Q405 Q406 Q407 Q500	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-140-47 s TRANSISTOR 2SC3735-B34 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R222 R223 R301 R302 R303	1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q501 Q502 Q503 Q700 Q701	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-117-32 s TRANSISTOR 2SC4177	R304 R305 R306 R307 R308	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q702 Q703 Q704 Q705 Q706	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-47 s TRANSISTOR 2SC3735-B34 8-729-140-47 s TRANSISTOR 2SC3735-B34	R309 R310 R311 R312 R313	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W
Q707-711	8-729-117-32 s TRANSISTOR 2SC4177	R314 R315	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R100 R101 R102 R103	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R316 R317 R318	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R104 R105	1-216-049-91 s METAL, CHIP 120 5% 1/10W	R319 R320 R321	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-0677-11 s METAL, CHIP 4.7K 5% 1/10W
R106 R107 R108 R109	1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-025-91 s METAL. CHIP 100 5% 1/10W	R322 R323 R324	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W
R110 R111 R112 R113	1-216-093-00 s METAL, CHIP 68K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R325 R326 R327 R328	1-216-017-00 s METAL, CHIP 680K 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R114	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R329 R330	1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W 1-216-634-11 s METAL, CHIP 200 0.5% 1/10W
R115 R116 R117 R118	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R331 R332 R333	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R119	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R334 R335	1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W
R120 R121 R122	1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R336 R337 R338	1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R123 R124	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R339 R340	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R125 R200 R201 R202	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R341 R342 R343	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W
R203	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R344 R345	1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W
R204 R205	1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R346 R347	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R348 R349 R350 R351 R352	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R438
R353 R354 R355 R358 R359	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R443 1-216-033-00 s METAL, CHIP 220 5% 1/10W R444 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R445 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R447 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R360 R361 R363 R367 R369	1-216-109-00 s METAL, CHIP 330K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R448 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
R371 R372 R373 R374 R375	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W	R453 1-216-109-00 s METAL, CHIP 330K 5% 1/10W R454 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R455 1-216-017-91 s METAL, CHIP 47 5% 1/10W R456 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R457 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R376 R380 R400 R401 R402	1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R458 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R459 1-216-041-00 s METAL, CHIP 470 5% 1/10W R460 1-216-041-00 s METAL, CHIP 470 5% 1/10W R461 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R462 1-216-085-00 s METAL, CHIP 33K 5% 1/10W
R403 R404 R405 R406 R407	1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R463
R408 R409 R410 R411 R412	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R500-506 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R507 1-216-041-00 s METAL, CHIP 470 5% 1/10W R508-512 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R513 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R514 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R413 R414 R415 R416 R417	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R515 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R516 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R540 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R541 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R542 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R418 R419 R420 R421 R423	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-295-91 s RES, CHIP 0 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R543
R424 R425 R426 R427 R428	1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-117-00 s METAL, CHIP 280 5% 1/10W 1-216-634-11 s METAL, CHIP 200 0.5% 1/10W 1-216-627-11 s METAL, CHIP 100 0.5% 1/10W	R549 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R550 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R551 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R552 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R553 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R429 R430 R431 R432 R433	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W	R554 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W R555 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R556 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W R557 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R558 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R434 R435 R436 R437	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W	R559 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W R560 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R561 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R562 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R563 R564 R565 R566 R567	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R727 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W R728 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R729 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R730 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R731 1-216-093-00 s METAL, CHIP 68K 5% 1/10W
R568 R569 R570 R571 R572	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W	R732 1-216-025-91 s METAL, CHIP 100 5% 1/10W R733 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R734 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R735 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W R736 1-216-061-00 s METAL, CHIP 3.3K 5% 1/10W
R573 R574 R575 R576 R577	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R737 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R738 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R739 1-216-017-91 s METAL, CHIP 47 5% 1/10W R740 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R741 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
R578 R579 R580 R581 R582	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R742 1-216-017-91 s METAL, CHIP 47 5% 1/10W R743 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R744 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R745 1-216-017-91 s METAL, CHIP 47 5% 1/10W R746 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R583 R584 R585 R586 R587	1-216-645-11 s METAL, CHIP 560 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R747 1-216-041-00 s METAL, CHIP 470 5% 1/10W R748 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R749 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R752 1-216-295-91 s RES, CHIP 0 R754 1-216-295-91 s RES, CHIP 0
R588 R589 R590 R591 R592	1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R755 1-216-017-91 s METAL, CHIP 47 5% 1/10W R756 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R757 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R758 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R760 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R595 R596 R597 R598 R700	1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R761 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R762 1-216-017-91 s METAL, CHIP 47 5% 1/10W R763 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R764 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R765 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W
R701 R702 R704 R705 R706	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R766 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W R767 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W R768 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W R769 1-216-037-00 s METAL, CHIP 330 5% 1/10W R770 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W
R707 R708 R710 R711 R712	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R771 1-216-037-00 s METAL, CHIP 330 5% 1/10W R772 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R773 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W R774 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W R775 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W
R713 R714 R715 R716 R717	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R776 1-216-041-00 s METAL, CHIP 470 5% 1/10W R777 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R778 1-216-017-91 s METAL, CHIP 47 5% 1/10W R780 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R781 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R718 R719 R720 R721 R722	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-069-00 s METAL, CHIP 6.8K 5% 1/10W	R782 1-216-017-91 s METAL, CHIP 47 5% 1/10W R783 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R784 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R785 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R786 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R723 R724 R725 R726	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R787 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R788 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R789 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W R790 1-216-678-11 s METAL, CHIP 13K 0.5% 1/10W

### (TBC-25P BOARD(UVW-1800P/1600P))

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Ref. No. or Q'ty	Part No. SP Description
R791 R792 R793 R794 R795-799	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R800 R801 R802-807 R809 R810	1-216-017-91 s METAL, CHIP 47 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
R811 R812 R813 R814 R815	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R816 R817 R818 R819 R820	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R821 R822 R823 R824 R825	1-216-059-00 s METAL, CHIP 2.7K 5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R826 R827 R828 R829 R830	1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
R831 R832 R833 R834 R835	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R838 R839 R840	1-216-117-00 s METAL, CHIP 680K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
RV100 RV200 RV300 RV301 RV400	1-241-758-11 s RES, ADJ METAL 100 1-241-758-11 s RES, ADJ METAL 100 1-241-786-11 s RES, ADJ METAL 22k 1-241-763-11 s RES, ADJ METAL 4.7k 1-241-786-11 s RES, ADJ METAL 22k
RV401 RV500 RV501 RV502 RV700	1-241-763-11 s RES, ADJ METAL 4.7k 1-241-784-11 s RES, ADJ METAL 4.7k 1-241-784-11 s RES, ADJ METAL 4.7k 1-241-785-11 s RES, ADJ METAL 10k 1-241-785-11 s RES, ADJ METAL 10k
RV701 RV702 RV703	1-241-785-11 s RES, ADJ METAL 10k 1-241-786-11 s RES, ADJ METAL 22k 1-241-784-11 s RES, ADJ METAL 4.7k
S500	1-692-535-11 s SWITCH, DIP 4-CKT
TH400 TH701	1-807-972-11 s THERMISTOR SV-1715 1.25k 1-807-972-11 s THERMISTOR SV-1715 1.25k
X700 X701	1-579-057-11 s CRYSTAL 17.734475MHz 1-579-459-11 s CRYSTAL 13.5MHz

### TR-84 BOARD

Ref.	No.		

or Q'ty Part No. SP Description

CN945 1-565-876-11 o CONNECTOR 4P, MALE

IC1 8-745-001-07 s DME DM-230-1

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
VP-43 board is used for UVW-1800(J,UC).	C234 1-107-552-11 s MICA, CHIP 150pF 1% 50V
1 A COME COLLA MOUNTED CIRCUIT DOADS UD 40	C235 1-126-933-11 s ELECT 100uF 20% 16V
lpc A-8275-281-A o MOUNTED CIRCUIT BOARD, VP-43 lpc 3-182-386-02 o PLATE, SHIELD (L), CARD	C236 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C237 1-126-963-11 s ELECT 4.7uF 20% 50V
1pc 7-621-759-45 s SCREW, +PSW2.6x6	C238 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
1pc 3-179-084-01 s LEVER (R), PC BOARD	one in the second of the secon
1pc 3-179-085-01 s LEVER (L), PC BOARD	C239 1-163-114-00 s CERAMIC, CHIP 75PF 5% 50V
C101 1 102 022 01 CPRINTS OUTD 0 000 P FOU	C240 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C101 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C102 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C241 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C242 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C102 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C103 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C243 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C104 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	
C105 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C244 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C106 1-126-933-11 s ELECT 100uF 20% 16V	C245 1-126-925-11 s ELECT 470uF 20% 10V
C106 1-120-935-11 S ELECT 1000F 20% 16V C107 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C246 1-126-933-11 s ELECT 100uF 20% 16V C247 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C108 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C248 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C109 1-163-108-00 s CERAMIC CHIP 43PF 5% 50V	
C110 1-163-249-11 s CERAMIC, CHIP 82pF 5% 50V	C249 1-126-933-11 s ELECT 100uF 20% 16V
C111 1-163-108-00 s CERAMIC, CHIP 43PF 5% 50V	C250 1-126-933-11 s ELECT 100uF 20% 16V C251 1-126-964-11 s ELECT 10uF 20% 50V
C112 1-124-903-11 s ELECT 1uF 20% 50V	C253 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C113 1-124-903-11 s ELECT 1uF 20% 50V	C301 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C114 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	
C115 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C302 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C303 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C116 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C303 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V C304 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C117 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C305 1-126-933-11 s ELECT 100uF 20% 16V
C118 1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V	C306 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C119 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	0007 1 100 000 01 OPPLANC ONLD 0 000 F FOU
C120-127 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C307 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C308 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C128 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C309 1-163-110-00 s CERAMIC, CHIP 51PF 5% 50V
C129 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C310 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C130 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C311 1-163-110-00 s CERAMIC, CHIP 51PF 5% 50V
C131 1-126-933-11 s ELECT 100uF 20% 16V C132 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C312 1-124-903-11 s ELECT 1uF 20% 50V
0132 1-103-030-31 S OBRANIC, OHI 0.022di 307	C313 1-124-903-11 s ELECT 1uF 20% 50V
C133 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V	C314 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C134-142 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C315 1-163-135-00 s CERAMIC, CHIP 560PF 5% 50V
C143 1-126-933-11 s ELECT 100uF 20% 16V C144 1-126-933-11 s ELECT 100uF 20% 16V	C316 1-163-257-11 s CERAMIC, CHIP 180PF 5% 50V
C144 1-126-933-11 s ELECT 100uF 20% 16V C145 1-126-933-11 s ELECT 100uF 20% 16V	C317 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
	C318 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C146 1-126-933-11 s ELECT 100uF 20% 16V	C319 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C147 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C148 1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V	C320 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C321 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C149 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C321 1-103-033-91 S CERAMIC, CHIF 0.022ur 30V
C150 1-126-933-11 s ELECT 100uF 20% 16V	C322 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
	C323 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C201-212 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C324 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C213 1-163-222-11 s CERAMIC, CHIP 5PF 50V C214 1-163-222-11 s CERAMIC, CHIP 5PF 50V	C325 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C326 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C215 1-126-925-11 s ELECT 470uF 20% 10V	0320 1 100 000 31 3 ODRIMIO, OHII 0.022di 007
C216 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C327 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V
0017 1 100 000 01 - CERANIC CUID 0 000 P 50V	C328 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C217 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C218 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C329 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C330 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C219 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C331 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C220 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V	·
C221 1-163-091-00 s CERAMIC, CHIP 8PF 50V	C332 1-126-933-11 s ELECT 100uF 20% 16V
C222 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C333 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C334 1-163-253-11 s CERAMIC, CHIP 120PF 5% 50V
C223 1-163-033-91 s CERAMIC, CHIP 0.022dF 50V	C335-339 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C224 1-126-925-11 s ELECT 470uF 20% 10V	C340 1-126-933-11 s ELECT 100uF 20% 16V
C225 1-126-925-11 s ELECT 470uF 20% 10V	0941 1 109 099 01 - OPPAUTO OUTD 0 090 P 50U
C226-230 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C341 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C342 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C231 1-126-925-11 s ELECT 470uF 20% 10V	C343 1-126-933-11 s ELECT 100uF 20% 16V
C232 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C344 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

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(VP-43 BOARD(UVW-1800))	(VP-43 BOARD(UVW-1800))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
	C525-529 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C530 1-126-933-11 s ELECT 100uF 20% 16V C531 1-163-224-11 s CERAMIC, CHIP 7PF 50V C532 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C533 1-131-353-00 s TANTALUM 10uF 10% 35V
C350 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C351 1-126-933-11 s ELECT 100uF 20% 16V C401-408 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C409 1-126-925-11 s ELECT 470uF 20% 10V C410 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C534       1-131-353-00 s TANTALUM 10uF 10% 35V         C535       1-126-933-11 s ELECT 100uF 20% 16V         C536       1-130-491-00 s MYLAR 0.047uF 5% 50V         C537       1-163-033-91 s CERAMIC, CHIP 0.022uF 50V         C538       1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C411 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C412 1-163-222-11 s CERAMIC, CHIP 5PF 50V C413 1-163-222-11 s CERAMIC, CHIP 5PF 50V C414 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C415 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V	C539 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C540 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C541 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C542 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C543 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C416 1-163-222-11 s CERAMIC, CHIP 5PF 50V C417 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C418 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C419 1-126-925-11 s ELECT 470uF 20% 10V C420 1-126-925-11 s ELECT 470uF 20% 10V	C544 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C545 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C546 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C547 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C548 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C421-425 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C426 1-126-933-11 s ELECT 100uF 20% 16V C427 1-126-925-11 s ELECT 470uF 20% 10V C428 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C429 1-163-084-00 s CERAMIC, CHIP 1.5PF 50V	C549 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C550 1-163-222-11 s CERAMIC, CHIP 5PF 50V C551-555 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C556 1-126-925-11 s ELECT 470uF 20% 10V C557 1-126-925-11 s ELECT 470uF 20% 10V
C430 1-107-552-11 s MICA, CHIP 150pF 1% 50V C431 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C432 1-126-963-11 s ELECT 4.7uF 20% 50V C433 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C434 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C558
C435 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C436 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C437 1-126-925-11 s ELECT 470uF 20% 10V C438 1-126-933-11 s ELECT 100uF 20% 16V C439 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C603 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C604 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C605 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C606 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C607 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C440 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C441 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C442 1-126-933-11 s ELECT 100uF 20% 16V C443 1-126-933-11 s ELECT 100uF 20% 16V C501 1-126-933-11 s ELECT 100uF 20% 16V	C608 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C609 1-163-118-00 s CERAMIC, CHIP 110PF 5% 50V C610 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C611 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C614 1-126-933-11 s ELECT 100uF 20% 16V
C502 1-126-933-11 s ELECT 100uF 20% 16V C503 1-126-933-11 s ELECT 100uF 20% 16V C504 1-126-933-11 s ELECT 100uF 20% 16V C505-509 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C510 1-131-353-00 s TANTALUM 10uF 10% 35V	C615 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C616 1-126-933-11 s ELECT 100uF 20% 16V C617 1-126-933-11 s ELECT 100uF 20% 16V C618 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C619 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C511 1-131-353-00 s TANTALUM 10uF 10% 35V C512 1-126-933-11 s ELECT 100uF 20% 16V C513 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C514 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C515 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C620 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C621 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C622 1-131-347-00 s TANTALUM 1uF 10% 35V C623 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C624 1-131-347-00 s TANTALUM 1uF 10% 35V
C516 1-130-491-00 s MYLAR 0.047uF 5% 50V C517 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C518 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C519 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C520 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C625 1-131-347-00 s TANTALUM 1uF 10% 35V C626 1-131-347-00 s TANTALUM 1uF 10% 35V C627 1-126-933-11 s ELECT 100uF 20% 16V C628 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C629 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C521 1-163-253-11 s CERAMIC, CHIP 120PF 5% 50V C522 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C523 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C524 1-126-933-11 s ELECT 100uF 20% 16V	C630 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C631 1-130-491-00 s MYLAR 0.047uF 5% 50V C632 1-130-491-00 s MYLAR 0.047uF 5% 50V C633 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C634 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C635-645 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C646 1-126-933-11 s ELECT 100uF 20% 16V C647 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C648 1-126-933-11 s ELECT 100uF 20% 16V	FL201 1-239-770-11 s FILTER, LOW-PASS 4MHz FL401 1-239-772-11 s FILTER, LOW-PASS 3MHz FL601 1-239-771-11 s FILTER, LOW-PASS 6 MHz IC101 8-752-052-75 s IC CXA1479Q
C649 1-126-933-11 s ELECT 100uF 20% 16V C651 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C652 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C653 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C654 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC102 8-759-300-71 s IC HD14053BFP IC103 8-759-908-92 s IC TL084CNS IC104 8-759-702-08 s IC NJM360M IC201 8-759-981-48 s IC NJM082M
C655 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V C656 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C657 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C658 1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V	IC202 8-752-052-48 s IC CXA1370Q IC203 8-759-700-65 s IC NJM79L05A IC204 1-810-333-11 s HIC BP-022 IC205 8-759-189-43 s IC AN77L05-TA IC301 8-752-052-75 s IC CXA1479Q
C659 1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V  C660 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V  C661 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V  C662 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V  C663 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V  C664 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC302 8-759-300-71 s IC HD14053BFP IC303 8-759-908-92 s IC TL084CNS IC401 8-752-052-48 s IC CXA1370Q IC402 8-759-700-65 s IC NJM79L05A IC403 1-810-333-11 s HIC BP-022 IC404 8-759-189-43 s IC AN77L05-TA
C665 1-163-224-11 s CERAMIC, CHIP 7PF 50V C667 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C668 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C669 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C670 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC501 8-759-927-46 s IC SN74HC00ANS IC502 8-759-908-92 s IC TL084CNS IC503 8-759-300-71 s IC HD14053BFP IC504 8-759-168-20 s IC TA78L09S IC505 8-759-700-65 s IC NJM79L05A
C671 1-126-933-11 s ELECT 100uF 20% 16V C701 1-126-933-11 s ELECT 100uF 20% 16V C702 1-126-933-11 s ELECT 100uF 20% 16V C703 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C704 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC506 8-759-908-92 s IC TL084CNS IC507 8-752-052-73 s IC CXA1451M IC508 8-752-052-73 s IC CXA1451M IC509 8-752-052-73 s IC CXA1451M IC510 8-752-052-73 s IC CXA1451M
C705 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C706 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C707 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C708 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C709 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	IC511 8-759-182-84 s IC PQ05SZ5U IC512 8-759-822-95 s IC L79M05T-FA IC601 8-759-907-81 s IC SN74LS221NS IC602 8-759-927-46 s IC SN74HC00ANS IC603 8-759-908-92 s IC TL084CNS
C710 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C711 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C712 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C713 1-126-933-11 s ELECT 100uF 20% 16V C714-719 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC604 8-759-300-71 s IC HD14053BFP IC605 8-759-908-92 s IC TL084CNS IC606 8-752-054-80 s IC CXA1521M IC607 8-752-054-80 s IC CXA1521M IC608 8-759-168-20 s IC TA78L09S
C720-724 1-126-933-11 s ELECT 100uF 20% 16V C725 1-131-353-00 s TANTALUM 10uF 10% 35V C726 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C727 1-130-475-00 s MYLAR 0.0022uF 5% 50V	IC609 8-759-906-59 s IC CX22017 IC610 8-759-700-65 s IC NJM79L05A IC611 8-752-052-73 s IC CXA1451M IC612 8-759-262-00 s IC MC14576CF IC701 8-752-052-73 s IC CXA1451M
CN103 1-573-782-21 o CONNECTOR, PHEC 60P, MALE CN104 1-573-782-21 o CONNECTOR, PHEC 60P, MALE CN105 1-506-491-11 s CONNECTOR 12P, MALE	IC701 8-752-052-73 s IC CXA1451M IC702 8-752-052-73 s IC CXA1451M IC703 8-759-927-46 s IC SN74HC00ANS IC704 8-759-925-74 s IC TC74HC04ANS IC705 8-759-925-85 s IC SN74HC32ANS
D201 8-719-123-82 s DIODE 1SS303-T1 D401 8-719-123-82 s DIODE 1SS303-T1 D501 8-719-123-82 s DIODE 1SS303-T1 D502 8-719-941-04 s DIODE SB007-03CP D503 8-719-021-31 s DIODE UZM5. 1B	L101 1-410-482-31 s INDUCTOR 100uH L102 1-408-406-00 s INDUCTOR 5.6uH L103 1-408-406-00 s INDUCTOR 5.6uH L104 1-410-466-41 s INDUCTOR 4.7uH L105 1-410-482-31 s INDUCTOR 100uH
D504 8-719-123-82 s DIODE 1SS303-T1 D601 8-719-941-04 s DIODE SB007-03CP D701 8-719-123-85 s DIODE 1SS304  DL101 1-415-154-00 s DELAY LINE 35nS DL301 1-415-546-11 s DELAY LINE 50nS	L106

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
L201	1-410-471-11 s INDUCTOR 12uH	Q207	8-729-117-72 s TRANSISTOR 2SC4178
L202	1-410-482-31 s INDUCTOR 100uH	Q208	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L203	1-410-468-11 s INDUCTOR 6.8uH	Q209	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L204	1-410-478-11 s INDUCTOR 47uH	Q210	8-729-117-72 s TRANSISTOR 2SC4178
L205	1-410-482-31 s INDUCTOR 100uH	Q211	8-729-117-72 s TRANSISTOR 2SC4178
L206	1-410-482-31 s INDUCTOR 100uH	Q212	8-729-117-72 s TRANSISTOR 2SC4178
L207	1-410-482-31 s INDUCTOR 100uH	Q213	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L301	1-410-482-31 s INDUCTOR 100uH	Q214	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L302	1-410-468-11 s INDUCTOR 6.8uH	Q215	8-729-117-72 s TRANSISTOR 2SC4178
L303	1-410-468-11 s INDUCTOR 6.8uH	Q216	8-729-905-12 s TRANSISTOR DTA144EU
L304	1-408-429-00 s INDUCTOR 470uH	Q217	8-729-117-72 s TRANSISTOR 2SC4178
L305	1-408-429-00 s INDUCTOR 470uH	Q218	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L306	1-408-406-00 s INDUCTOR 5.6uH	Q219	8-729-117-72 s TRANSISTOR 2SC4178
L307	1-410-482-31 s INDUCTOR 100uH	Q220	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L308	1-410-462-11 s INDUCTOR 2.2uH	Q301	8-729-117-32 s TRANSISTOR 2SC4177
L309	1-408-621-31 s INDUCTOR 330uH	Q302	8-729-117-72 s TRANSISTOR 2SC4178
L310	1-410-482-31 s INDUCTOR 100uH	Q303	8-729-117-72 s TRANSISTOR 2SC4178
L311	1-410-482-31 s INDUCTOR 100uH	Q304	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L312	1-410-482-31 s INDUCTOR 100uH	Q305	8-729-117-72 s TRANSISTOR 2SC4178
L401	1-410-471-11 s INDUCTOR 12uH	Q306	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L402	1-410-482-31 s INDUCTOR 100uH	Q307-311	8-729-117-72 s TRANSISTOR 2SC4178
L403	1-408-408-00 s INDUCTOR 8.2uH	Q401	8-729-117-72 s TRANSISTOR 2SC4178
L404	1-410-482-31 s INDUCTOR 100uH	Q402	8-729-143-07 s TRANSISTOR 2SC4178
L405	1-410-482-31 s INDUCTOR 100uH	Q403	8-729-117-72 s TRANSISTOR 2SC4178
L406	1-410-482-31 s INDUCTOR 100uH	Q404	8-729-117-72 s TRANSISTOR 2SC4178
L501	1-410-482-31 s INDUCTOR 100uH	Q405	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L502	1-410-482-31 s INDUCTOR 100uH	Q406	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L503	1-410-482-31 s INDUCTOR 100uH	Q407	8-729-117-72 s TRANSISTOR 2SC4178
L505	1-410-482-31 s INDUCTOR 100uH	Q408	8-729-117-72 s TRANSISTOR 2SC4178
L506	1-410-482-31 s INDUCTOR 100uH	Q409	8-729-117-72 s TRANSISTOR 2SC4178
L507	1-408-419-00 s INDUCTOR 68uH	Q410	8-729-117-72 s TRANSISTOR 2SC4178
L508	1-410-478-11 s INDUCTOR 47uH	Q411	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L509	1-410-476-11 s INDUCTOR 33uH	Q412	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L601–609	9 1-410-482-31 s INDUCTOR 100uH	Q413	8-729-117-72 s TRANSISTOR 2SC4178
L610	1-410-478-11 s INDUCTOR 47uH	Q414	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L611	1-410-478-11 s INDUCTOR 47uH	Q415	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L612	1-410-478-11 s INDUCTOR 47uH	Q416	8-729-905-12 s TRANSISTOR DTA144EU
L613	1-410-478-11 s INDUCTOR 47uH	Q417	8-729-117-72 s TRANSISTOR 2SC4178
L614	1-408-413-00 s INDUCTOR 22uH	Q418	8-729-143-07 s TRANSISTOR 2SA1610-YY33
L701	1-410-482-31 s INDUCTOR 100uH	Q501	8-729-117-32 s TRANSISTOR 2SC4177
L702	1-410-482-31 s INDUCTOR 100uH	Q502	8-729-923-06 s TRANSISTOR FMW8
L703	1-410-476-11 s INDUCTOR 33uH	Q503	8-729-904-04 s TRANSISTOR FMS2
L704	1-410-476-11 s INDUCTOR 33uH	Q504	8-729-903-82 s TRANSISTOR FMW2
L705	1-410-482-31 s INDUCTOR 100uH	Q505	8-729-143-14 s TRANSISTOR 2SC4176-B35
L706-710	) 1-412-533-21 s INDUCTOR 47uH	Q506	8-729-140-63 s TRANSISTOR 2SA1611-M5M6
Q101	8-729-117-32 s TRANSISTOR 2SC4177	Q507	8-729-931-46 s TRANSISTOR FMW7
Q102	8-729-117-72 s TRANSISTOR 2SC4178	Q508	8-729-907-26 s TRANSISTOR IMX1
Q103	8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q509	8-729-117-32 s TRANSISTOR 2SC4177
Q104	8-729-117-72 s TRANSISTOR 2SC4178	Q510	8-729-140-63 s TRANSISTOR 2SA1611-M5M6
Q105	8-729-117-72 s TRANSISTOR 2SC4178	Q511	8-729-117-32 s TRANSISTOR 2SC4177
Q106	8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q512	8-729-117-32 s TRANSISTOR 2SC4177
Q107-111	18-729-117-72 s TRANSISTOR 2SC4178	Q513	8-729-117-32 s TRANSISTOR 2SC4177
Q112	8-729-905-18 s TRANSISTOR DTC144EU	Q514	8-729-904-41 s TRANSISTOR FMY3
Q201	8-729-117-72 s TRANSISTOR 2SC4178	Q515	8-729-143-14 s TRANSISTOR 2SC4176-B35
Q202	8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q516	8-729-117-32 s TRANSISTOR 2SC4177
Q203	8-729-117-72 s TRANSISTOR 2SC4178	Q517	8-729-904-41 s TRANSISTOR FMY3
Q204	8-729-117-72 s TRANSISTOR 2SC4178	Q601	8-729-117-32 s TRANSISTOR 2SC4177
Q205	8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q602	8-729-117-32 s TRANSISTOR 2SC4177
Q206	8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q603	8-729-923-06 s TRANSISTOR FMW8

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
Q604 8-729-923-06 s TRANSISTOR FMW8 Q605 8-729-904-04 s TRANSISTOR FMS2 Q606 8-729-904-04 s TRANSISTOR FMS2 Q607 8-729-903-82 s TRANSISTOR FMW2 Q608 8-729-903-82 s TRANSISTOR FMW2	R130 1-216-025-91 s METAL, CHIP 100 5% 1/10W R131 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W R132 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R133 1-216-041-00 s METAL, CHIP 470 5% 1/10W R134 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W
Q609 8-729-907-26 s TRANSISTOR IMX1 Q610 8-729-907-26 s TRANSISTOR IMX1 Q611 8-729-931-46 s TRANSISTOR FMW7 Q612 8-729-931-46 s TRANSISTOR FMW7 Q613 8-729-143-14 s TRANSISTOR 2SC4176-B35	R135 1-216-025-91 s METAL, CHIP 100 5% 1/10W R136 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W R137 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R138 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R139 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q614 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q615 8-729-117-32 s TRANSISTOR 2SC4177 Q616 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q617-626 8-729-117-32 s TRANSISTOR 2SC4177 Q627 8-729-143-14 s TRANSISTOR 2SC4176-B35	R140 1-216-025-91 s METAL, CHIP 100 5% 1/10W R141 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R142 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R143 1-216-041-00 s METAL, CHIP 470 5% 1/10W R144 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
Q628 8-729-117-32 s TRANSISTOR 2SC4177 Q701 8-729-117-32 s TRANSISTOR 2SC4177 Q702 8-729-117-32 s TRANSISTOR 2SC4177 Q703 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q704 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R145 1-216-037-00 s METAL, CHIP 330 5% 1/10W R146 1-216-037-00 s METAL, CHIP 330 5% 1/10W R147 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R148 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R149 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
Q705 8-729-117-32 s TRANSISTOR 2SC4177 Q706 8-729-117-32 s TRANSISTOR 2SC4177 Q707 8-729-117-32 s TRANSISTOR 2SC4177 Q708 8-729-117-32 s TRANSISTOR 2SC4177 Q709 8-729-422-44 s TRANSISTOR 2SK663	R150 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R151 1-216-025-91 s METAL, CHIP 100 5% 1/10W R152 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R153 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R154 1-216-037-00 s METAL, CHIP 330 5% 1/10W
Q710 8-729-422-44 s TRANSISTOR 2SK663 Q711 8-729-422-44 s TRANSISTOR 2SK663 Q712 8-729-422-44 s TRANSISTOR 2SK663 Q713 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q714 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R155 1-216-041-00 s METAL, CHIP 470 5% 1/10W R156 1-216-035-00 s METAL, CHIP 270 5% 1/10W R157 1-216-037-00 s METAL, CHIP 330 5% 1/10W R158 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R159 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R101 1-216-295-91 s RES, CHIP 0 R102 1-216-295-91 s RES, CHIP 0 R103 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W R104 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W R105 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R160 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R161 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R162 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R163 1-208-806-11 s METAL, CHIP 10K 0.5% 1/10W R164 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W
R106 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R107 1-216-295-91 s RES, CHIP 0 R108 1-216-025-91 s METAL, CHIP 100 5% 1/10W R109 1-216-025-91 s METAL, CHIP 100 5% 1/10W R110 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R165 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R166 1-216-037-00 s METAL, CHIP 330 5% 1/10W R168 1-216-295-91 s RES, CHIP 0 R169 1-216-295-91 s RES, CHIP 0 R170 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R111 1-216-025-91 s METAL, CHIP 100 5% 1/10W R112 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R113 1-216-025-91 s METAL, CHIP 100 5% 1/10W R114 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R115 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R201 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R202 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R203 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R204 1-208-823-11 s METAL, CHIP 51k 0.5% 1/10W R205 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W
R116 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R117 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R118 1-216-025-91 s METAL, CHIP 100 5% 1/10W R119 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R120 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R206 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R207 1-216-025-91 s METAL, CHIP 100 5% 1/10W R208 1-216-025-91 s METAL, CHIP 100 5% 1/10W R209 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R210 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R121 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R122 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W R123 1-216-025-91 s METAL, CHIP 100 5% 1/10W R124 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R125 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R211 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R212 1-216-025-91 s METAL, CHIP 100 5% 1/10W R213 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R214 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R215 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R126 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R127 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R128 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R129 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R216 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R217 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R218 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R219 1-216-073-00 s METAL, CHIP 10K 5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R220	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R305	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R221	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R306	
R222	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R307	
R223	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R308	
R224	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R309	
R225	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R310	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R226	1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R311	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R227	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R312	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R228	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R313	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R229	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W	R314	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R230	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R315	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R231	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R316	
R232	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R317	
R233	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W	R318	
R234	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R319	
R235 R236 R237 R238 R239	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R320 R321 R322 R323 R324	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R240 R241 R242 R243 R244	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W	R325 R326 R327 R328 R329	1-208-775-11 s METAL, CHIP 510 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R245 R246 R247 R248 R249	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R330 R331 R332 R333 R334	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R250 R251 R253 R255 R256	1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R335 R336 R337 R338 R339	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R257	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R340	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R258	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W	R341	
R259	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W	R342	
R260	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	R343	
R262	1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W	R344	
R263	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R345	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R264	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R346	
R265	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R347	
R266	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R348	
R267	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R349	
R268 R269 R270 R271 R272	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-208-751-11 s METAL, CHIP 51 0.5% 1/10W	R350 R351 R352 R353 R354	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R273	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R355	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R274	1-216-295-91 s RES, CHIP 0	R356	
R275	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R357	
R276	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R358	
R278	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R359	
R301	1-216-629-11 s METAL, CHIP 120 0.5% 1/10W	R401	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R302	1-216-629-11 s METAL, CHIP 120 0.5% 1/10W	R402	
R303	1-216-633-11 s METAL, CHIP 180 0.5% 1/10W	R403	
R304	1-216-633-11 s METAL, CHIP 180 0.5% 1/10W	R404	

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R405	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R464	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R406	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R501	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R407	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R502	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R408	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R503	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R409	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R504	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R410	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W	R505	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R411		R506	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R412		R507	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R413		R508	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R414		R509	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R415	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W	R510	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R416	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R511	1-216-033-00 s METAL, CHIP 220 5% 1/10W
R417	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W	R512	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R418	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R513	1-216-045-00 s METAL, CHIP 680 5% 1/10W
R419	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R514	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R420 R421 R422 R423 R424	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-649-11 s METAL, CHIP 820 0.5% 1/10W 1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R515 R516 R517 R518 R519	1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R425	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R520	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R426	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R521	1-216-017-91 s METAL, CHIP 47 5% 1/10W
R427	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R522	1-216-027-00 s METAL, CHIP 120 5% 1/10W
R428	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R523	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R429	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R524	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R430	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R525	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R431	1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R526	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R432	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R527	1-216-647-11 s METAL, CHIP 680 0.5% 1/10W
R433	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R528	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R434	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R529	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R435	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R530	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R436	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R531	
R437	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R532	
R438	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R533	
R439	1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R534	
R440	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-208-801-11 s METAL, CHIP 6.2k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W	R535	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R441		R536	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R442		R537	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R443		R538	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R444		R539	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W
R445 R446 R447 R448 R449	1-216-119-00 s METAL, CHIP 820K 5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R540 R541 R542 R543 R544	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R450	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R545	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R451		R546	1-216-113-00 s METAL, CHIP 470K 5% 1/10W
R452		R547	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W
R453		R548	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R454		R549	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R455	1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R550	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R456		R551	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R457		R552	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R458		R553	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R459		R554	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R460	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R555	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R461	1-208-751-11 s METAL, CHIP 51 0.5% 1/10W	R556	
R462	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R557	
R463	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R558	

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R559 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R560 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R561 1-216-025-91 s METAL, CHIP 100 5% 1/10W R562 1-216-017-91 s METAL, CHIP 47 5% 1/10W R563 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R647 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R648 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R649 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R650 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R651 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R564 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R565 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R566 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R567 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R568-572 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W	R652 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W R653 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R654 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R655 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R656 1-216-047-91 s METAL, CHIP 820 5% 1/10W
R573	R657 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R658 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R659 1-216-041-00 s METAL, CHIP 470 5% 1/10W R660 1-216-041-00 s METAL, CHIP 470 5% 1/10W R661 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R601 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R602 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R603 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R604 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R605 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R662 1-216-037-00 s METAL, CHIP 330 5% 1/10W R663 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R664 1-216-079-00 s METAL, CHIP 18K 5% 1/10W R665 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R666 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R606 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R607 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R608 1-216-057-00 s METAL, CHIP 2. 2K 5% 1/10W R609 1-216-057-00 s METAL, CHIP 2. 2K 5% 1/10W R610 1-216-033-00 s METAL, CHIP 220 5% 1/10W	R667 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R668 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R669 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R670 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W R671 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R611 1-216-033-00 s METAL, CHIP 220 5% 1/10W R612 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W R613 1-216-045-00 s METAL, CHIP 680 5% 1/10W R614 1-216-045-00 s METAL, CHIP 680 5% 1/10W R615 1-216-077-00 s METAL, CHIP 15K 5% 1/10W	R672 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R673 1-216-295-91 s RES, CHIP 0 R675 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R676 1-216-037-00 s METAL, CHIP 330 5% 1/10W R677 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R616 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R617 1-216-017-91 s METAL, CHIP 47 5% 1/10W R618 1-216-017-91 s METAL, CHIP 47 5% 1/10W R619 1-216-027-00 s METAL, CHIP 120 5% 1/10W R620 1-216-027-00 s METAL, CHIP 120 5% 1/10W	R678-682 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R683 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R684 1-216-647-11 s METAL, CHIP 680 0.5% 1/10W R686 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R687 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R621 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R622 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R623 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R626 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R627 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R688 1-216-045-00 s METAL, CHIP 680 5% 1/10W R689 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R690 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R691 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R692 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R628 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R629 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R630 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R631 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R632 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R693 1-216-025-91 s METAL, CHIP 100 5% 1/10W R694 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R695 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R696 1-216-095-00 s METAL, CHIP 82K 5% 1/10W R697 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R633 1-216-295-91 s RES, CHIP 0 R634 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R635 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R636 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R637 1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R698 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R699 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R701 1-216-025-91 s METAL, CHIP 100 5% 1/10W R702 1-216-025-91 s METAL, CHIP 100 5% 1/10W R703 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R638 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R639 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R640 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R641 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R642 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R704 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R705 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R706 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R707 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R708 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R643 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R644 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R645 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R646 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R709 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R710 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R711 1-216-025-91 s METAL, CHIP 100 5% 1/10W R712 1-216-025-91 s METAL, CHIP 100 5% 1/10W

Ref. No. or Q'ty Part No. SP Description R713 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R714 R715 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R716 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R717 R718 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R719 R720 1-216-025-91 s METAL, CHIP 100 5% 1/10W R721 1-216-025-91 s METAL, CHIP 100 5% 1/10W R722 R723 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R724 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W R725 R726 R727 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R728 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R729 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R730 R731 R732 R733-737 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R738 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP lk 5% 1/10W 1-216-049-91 s METAL, CHIP lk 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R739 R740 R741 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R742 R743 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W R744 R745 R746 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R747 R748 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R749 R750 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R751 RV101 1-241-785-11 s RES, ADJ METAL 10k RV102 1-241-785-11 s RES, ADJ METAL 10k RV103 1-241-761-11 s RES, ADJ METAL 1k 1-241-763-11 s RES, ADJ METAL 4.7k RV201 RV301 1-241-785-11 s RES, ADJ METAL 10k RV302 1-241-785-11 s RES, ADJ METAL 10k RV303 1-241-761-11 s RES, ADJ METAL 1k RV401 1-241-764-11 s RES, ADJ METAL 10k RV501 1-241-761-11 s RES, ADJ METAL 1k RV502 1-241-761-11 s RES, ADJ METAL 1k RV503 1-241-761-11 s RES, ADJ METAL 1k RV504 1-241-761-11 s RES, ADJ METAL 1k 1-241-761-11 s RES, ADJ METAL 1k RV505 1-241-758-11 s RES, ADJ METAL 100 1-241-787-11 s RES, ADJ METAL 47k RV506 RV601 1-241-787-11 s RES, ADJ METAL 47k RV602 RV603 1-241-783-11 s RES, ADJ METAL 2.2k RV604 1-241-784-11 s RES, ADJ METAL 4.7k RV605 1-241-784-11 s RES, ADJ METAL 4.7k RV606 1-241-779-11 s RES, ADJ METAL 100 RV701 1-241-783-11 s RES, ADJ METAL 2.2k 1-241-783-11 s RES, ADJ METAL 2.2k RV702 RV703 1-241-761-11 s RES, ADJ METAL 1k RV704 1-241-761-11 s RES, ADJ METAL 1k

(VP-43 BOARD (UVW-1800))

Ref. No. or Q'ty Part No. SP Description

TH201 1-807-972-11 s THERMISTOR SV-1715 1.25k

TH401 1-807-972-11 s THERMISTOR SV-1715 1.25k TH601 1-807-972-11 s THERMISTOR SV-1715 1.25k

	(VI -431 DOARD (UV#-18001))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
VP-43P board is used for UVW-1800P(EK).	C232 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-2 A 9975 ACO A . MOUNTED CIDCUIT DOADD UD A9D	C234 1-107-552-11 s MICA, CHIP 150pF 1% 50V
lpc A-8275-468-A o MOUNTED CIRCUIT BOARD, VP-43P lpc 3-182-386-02 o PLATE, SHIELD (L), CARD	C235 1-126-933-11 s ELECT 100uF 20% 16V C236 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1pc 7-621-759-45 s SCREW, +PSW2.6x6	C237 1-126-963-11 s ELECT 4.7uF 20% 50V
1pc 3-179-084-01 s LEVER (R), PC BOARD	COOO 1 1/2 025 11 CERANIC CHID OODS EW FOV
1pc 3-179-085-01 s LEVER (L), PC BOARD	C238 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C239 1-163-114-00 s CERAMIC, CHIP 75PF 5% 50V
C101 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C240 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C102 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C103 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C241 1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V C242 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C104 1-163-033-91 s CERAMIC, CHIP 0.002uF 50V	C242 1-105-055-51 S CERAMIC, CHII U. 022UF 50V
C105 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C243 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C106 1-126-933-11 s ELECT 100uF 20% 16V	C244 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C245 1-126-925-11 s ELECT 470uF 20% 10V
C107 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C246 1-126-933-11 s ELECT 100uF 20% 16V
C108 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C109 1-163-108-00 s CERAMIC. CHIP 43PF 5% 50V	C247 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C109 1-163-108-00 s CERAMIC, CHIP 43PF 5% 50V C110 1-163-249-11 s CERAMIC, CHIP 82pF 5% 50V	C248 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
	C249 1-126-933-11 s ELECT 100uF 20% 16V
C111 1-163-108-00 s CERAMIC, CHIP 43PF 5% 50V	C250 1-126-933-11 s ELECT 100uF 20% 16V
C112 1-124-903-11 s ELECT 1uF 20% 50V C113 1-124-903-11 s ELECT 1uF 20% 50V	C251 1-126-964-11 s ELECT 10uF 20% 50V C252 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C114 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	
C115 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C253 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C116 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C301 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C302 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C117 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C303 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C118 1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V C119 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C304 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C120-127 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C305 1-126-933-11 s ELECT 100uF 20% 16V
	C306 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C128 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C129 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C307 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C308 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C130 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C309 1-163-110-00 s CERAMIC, CHIP 51PF 5% 50V
C131 1-126-933-11 s ELECT 100uF 20% 16V	C210 1 1C2 2E1 11 - CEDANIC CHID 100DE EN EQU
C132 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C310 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C311 1-163-110-00 s CERAMIC, CHIP 51PF 5% 50V
C133 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V	C312 1-124-903-11 s ELECT 1uF 20% 50V
C134-142 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C143 1-126-933-11 s ELECT 100uF 20% 16V	C313 1-124-903-11 s ELECT 1uF 20% 50V C314 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C144 1-126-933-11 s ELECT 100uF 20% 16V	C314 1-103-270-11 S CERAMIC, CHII 0.001dr 3/8 30V
C145 1-126-933-11 s ELECT 100uF 20% 16V	C315 1-163-135-00 s CERAMIC, CHIP 560PF 5% 50V
C146 1-126-933-11 s ELECT 100uF 20% 16V	C316 1-163-257-11 s CERAMIC, CHIP 180PF 5% 50V C317 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C147 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	C318 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C148 1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V	C319 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V
C149 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C150 1-126-933-11 s ELECT 100uF 20% 16V	C320 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
	C321 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C151 1-163-229-11 s CERAMIC, CHIP 12PF 5% 50V C201-212 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C322 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C323 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C213 1-163-222-11 s CERAMIC, CHIP 5PF 50V	C324 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C214 1-163-222-11 s CERAMIC, CHIP 5PF 50V	
C215 1-126-925-11 s ELECT 470uF 20% 10V	C325 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C326 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C216 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C327 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V
C217 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C328 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C218 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C219 1-163-222-11 s CERAMIC, CHIP 5PF 50V	C329 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C220 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V	C330 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C221 1 162 001 00 a CEPANIC CUID ODE FOU	C331 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C332 1-126-933-11 s ELECT 100uF 20% 16V
C221 1-163-091-00 s CERAMIC, CHIP 8PF 50V C222 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C332 1-126-933-11 s ELECT 100uF 20% 16V C333 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C223 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C334 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C224 1-126-925-11 s ELECT 470uF 20% 10V C225 1-126-925-11 s ELECT 470uF 20% 10V	C335-339 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
	C340 1-126-933-11 s ELECT 100uF 20% 16V
C226-230 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C341 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C231 1-126-925-11 s ELECT 470uF 20% 10V	C342 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C343	C523
C348 1-126-933-11 s ELECT 100uF 20% 16V C349 1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V C350 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C351 1-126-933-11 s ELECT 100uF 20% 16V C401-408 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C532 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C533 1-131-353-00 s TANTALUM 10uF 10% 35V C534 1-131-353-00 s TANTALUM 10uF 10% 35V C535 1-126-933-11 s ELECT 100uF 20% 16V C536 1-130-491-00 s MYLAR 0.047uF 5% 50V
C409 1-126-925-11 s ELECT 470uF 20% 10V C410 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C411 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C412 1-163-222-11 s CERAMIC, CHIP 5PF 50V C413 1-163-222-11 s CERAMIC, CHIP 5PF 50V	C537
C414 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C415 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V C416 1-163-222-11 s CERAMIC, CHIP 5PF 50V C417 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C418 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C542 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C543 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C544 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C545 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C546 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C419 1-126-925-11 s ELECT 470uF 20% 10V C420 1-126-925-11 s ELECT 470uF 20% 10V C421-425 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C426 1-126-933-11 s ELECT 100uF 20% 16V C427 1-126-925-11 s ELECT 470uF 20% 10V	C547
C428 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C429 1-163-222-11 s CERAMIC, CHIP 5PF 50V C430 1-107-552-11 s MICA, CHIP 150pF 1% 50V C431 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C432 1-126-963-11 s ELECT 4.7uF 20% 50V	C556
C433 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C434 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C435 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C436 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C437 1-126-925-11 s ELECT 470uF 20% 10V	C601 1-126-933-11 s ELECT 100uF 20% 16V C602 1-126-933-11 s ELECT 100uF 20% 16V C603 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C604 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C605 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C438	C606 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C607 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C608 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C609 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V C610 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C443	C611 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C614 1-126-933-11 s ELECT 100uF 20% 16V C615 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C616 1-126-933-11 s ELECT 100uF 20% 16V C617 1-126-933-11 s ELECT 100uF 20% 16V
C505-509 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C510 1-131-353-00 s TANTALUM 10uF 10% 35V C511 1-131-353-00 s TANTALUM 10uF 10% 35V C512 1-126-933-11 s ELECT 100uF 20% 16V C513 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C618 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C619 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C620 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C621 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C622 1-131-347-00 s TANTALUM 1uF 10% 35V
C514 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C515 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C516 1-130-491-00 s MYLAR 0.047uF 5% 50V C517 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C518 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C623
C519 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C520 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C521 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C522 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C628 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C629 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C630 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C631 1-130-491-00 s MYLAR 0.047uF 5% 50V

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(VP-43P BOARD(UVW-1800P))	(VP-43P BOARD(UVW-1800P))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C632 1-130-491-00 s MYLAR 0.047uF 5% 50V	DL101 1-415-674-11 s DELAY LINE
C633 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C634 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C635-645 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	DL301 1-415-546-11 s DELAY LINE 50nS
C646 1-126-933-11 s ELECT 100uF 20% 16V	FL201 1-239-819-11 s FILTER, LOW-PASS FL401 1-239-772-11 s FILTER, LOW-PASS 3MHz
C647 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C648 1-126-933-11 s ELECT 100uF 20% 16V C649 1-126-933-11 s ELECT 100uF 20% 16V	FL601 1-239-771-11 s FILTER, LOW-PASS 6 MHz IC101 8-752-052-75 s IC CXA1479Q
C651 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C652 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC102 8-759-300-71 s IC HD14053BFP IC103 8-759-908-92 s IC TL084CNS
C653 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	IC104 8-759-702-08 s IC NJM360M IC201 8-759-981-48 s IC NJM082M
C654 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C655 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	IC202 8-752-052-48 s IC CXA1370Q
C656 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	IC203 8-759-700-65 s IC NJM79L05A
C657 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC204 1-810-333-11 s HIC BP-022 IC205 8-759-189-43 s IC AN77L05-TA
C658 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V C659 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V	IC301 8-752-052-75 s IC CXA1479Q
C660 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	IC302 8-759-300-71 s IC HD14053BFP
C661 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C662 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC303 8-759-908-92 s IC TL084CNS IC401 8-752-052-48 s IC CXA1370Q
	IC402 8-759-700-65 s IC NJM79L05A
C663 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C664 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC403 1-810-333-11 s HIC BP-022
C665 1-163-087-00 s CERAMIC, CHIP 4PF 50V	IC404 8-759-189-43 s IC AN77L05-TA
C666 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C667 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC501 8-759-927-46 s IC SN74HC00ANS IC502 8-759-908-92 s IC TL084CNS
	IC503 8-759-300-71 s IC HD14053BFP
C668 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C669 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC504 8-759-168-20 s IC TA78L09S
C670 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC505 8-759-700-65 s IC NJM79L05A
C671 1-126-933-11 s ELECT 100uF 20% 16V C701 1-126-933-11 s ELECT 100uF 20% 16V	IC506 8-759-908-92 s IC TLO84CNS IC507 8-752-052-73 s IC CXA1451M
C702 1-126-933-11 s ELECT 100uF 20% 16V	IC508 8-752-052-73 s IC CXA1451M IC509 8-752-052-73 s IC CXA1451M
C703 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	
C704 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C705 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	IC510 8-752-052-73 s IC CXA1451M IC511 8-759-182-84 s IC PQ05\$Z5U
C706 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	IC512 8-759-822-95 s IC L79M05T-FA
C707 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	IC601 8-759-907-81 s IC SN74LS221NS IC602 8-759-927-46 s IC SN74HC00ANS
C708 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	
C709 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C710 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	IC603 8-759-908-92 s IC TL084CNS IC604 8-759-300-71 s IC HD14053BFP
C711 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC605 8-759-908-92 s IC TL084CNS
C712 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC606 8-752-054-80 s IC CXA1521M IC607 8-752-054-80 s IC CXA1521M
C713 1-126-933-11 s ELECT 100uF 20% 16V C714-719 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC608 8-759-168-20 s IC TA78L09S
C720-724 1-126-933-11 s ELECT 100uF 20% 16V	IC609 8-759-906-59 s IC CX22017
C725 1-131-353-00 s TANTALUM 10uF 10% 35V	IC610 8-759-700-65 s IC NJM79L05A IC611 8-752-052-73 s IC CXA1451M
C726 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C727 1-130-475-00 s MYLAR 0.0022uF 5% 50V	IC612 8-759-262-00 s IC MC14576CF
CN103 1-573-782-21 o CONNECTOR, PHEC 60P, MALE	IC701 8-752-052-73 s IC CXA1451M IC702 8-752-052-73 s IC CXA1451M
CN104 1-573-782-21 o CONNECTOR, PHEC 60P, MALE	IC703 8-759-927-46 s IC SN74HC00ANS
CN105 1-506-491-11 s CONNECTOR 12P, MALE	IC704 8-759-925-74 s IC TC74HC04ANS IC705 8-759-925-85 s IC SN74HC32ANS
D201 8-719-123-82 s DIODE 1SS303-T1 D401 8-719-123-82 s DIODE 1SS303-T1	L101 1-410-482-31 s INDUCTOR 100uH
D501 8-719-123-82 s DIODE 1SS303-T1	L102 1-410-466-41 s INDUCTOR 4.7uH
D502 8-719-941-04 s DIODE SB007-03CP D503 8-719-021-31 s DIODE UZM5.1B	L103 1-410-466-41 s INDUCTOR 4.7uH L104 1-410-466-41 s INDUCTOR 4.7uH
	L105 1–410–482–31 s INDUCTOR 100uH
D504 8-719-123-82 s DIODE 1SS303-T1 D601 8-719-941-04 s DIODE SB007-03CP	L106 1-410-462-11 s INDUCTOR 2.2uH
D701 8-719-123-85 s DIODE 1SS304	L107 1-410-482-31 s INDUCTOR 100uH

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
L108 L109 L110 L111 L201	1-410-482-31 s INDUCTOR 100uH 1-408-621-31 s INDUCTOR 330uH 1-410-482-31 s INDUCTOR 100uH 1-410-466-41 s INDUCTOR 4.7uH 1-410-471-11 s INDUCTOR 12uH	Q112 8-729-905-18 s TRANSISTOR DTC144EU Q201 8-729-117-72 s TRANSISTOR 2SC4178 Q202 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q203 8-729-117-72 s TRANSISTOR 2SC4178 Q204 8-729-117-72 s TRANSISTOR 2SC4178
L202 L203 L204 L205 L206	1-410-482-31 s INDUCTOR 100uH 1-410-468-11 s INDUCTOR 6.8uH 1-410-476-11 s INDUCTOR 33uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	Q205       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q206       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q207       8-729-117-72 s       TRANSISTOR 2SC4178         Q208       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q209       8-729-143-07 s       TRANSISTOR 2SA1610-YY33
L207 L208 L301 L302 L303	1-410-482-31 s INDUCTOR 100uH 1-408-617-31 s INDUCTOR 150uH 1-410-482-31 s INDUCTOR 100uH 1-410-468-11 s INDUCTOR 6.8uH 1-410-468-11 s INDUCTOR 6.8uH	Q210 8-729-117-72 s TRANSISTOR 2SC4178 Q211 8-729-117-72 s TRANSISTOR 2SC4178 Q212 8-729-117-72 s TRANSISTOR 2SC4178 Q213 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q214 8-729-143-07 s TRANSISTOR 2SA1610-YY33
L304 L305 L306 L307 L308	1-408-429-00 s INDUCTOR 470uH 1-408-429-00 s INDUCTOR 470uH 1-408-406-00 s INDUCTOR 5.6uH 1-410-482-31 s INDUCTOR 100uH 1-410-462-11 s INDUCTOR 2.2uH	Q215       8-729-117-72       s TRANSISTOR 2SC4178         Q216       8-729-905-12       s TRANSISTOR DTA144EU         Q217       8-729-117-72       s TRANSISTOR 2SC4178         Q218       8-729-143-07       s TRANSISTOR 2SA1610-YY33         Q219       8-729-117-72       s TRANSISTOR 2SC4178
L309 L310 L311 L312 L401	1-408-621-31 s INDUCTOR 330uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-471-11 s INDUCTOR 12uH	Q220       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q301       8-729-117-32 s       TRANSISTOR 2SC4177         Q302       8-729-117-72 s       TRANSISTOR 2SC4178         Q303       8-729-117-72 s       TRANSISTOR 2SC4178         Q304       8-729-143-07 s       TRANSISTOR 2SA1610-YY33
L402 L403 L404 L405 L406	1-410-482-31 s INDUCTOR 100uH 1-408-408-00 s INDUCTOR 8. 2uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	Q305 8-729-117-72 s TRANSISTOR 2SC4178 Q306 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q307-311 8-729-117-72 s TRANSISTOR 2SC4178 Q401 8-729-117-72 s TRANSISTOR 2SC4178 Q402 8-729-143-07 s TRANSISTOR 2SA1610-YY33
L501 L502 L503 L505 L506	1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	Q403 8-729-117-72 s TRANSISTOR 2SC4178 Q404 8-729-117-72 s TRANSISTOR 2SC4178 Q405 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q406 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q407 8-729-117-72 s TRANSISTOR 2SC4178
L507 L508 L509 L601-609 L610	1-410-482-31 s INDUCTOR 100uH 1-410-478-11 s INDUCTOR 47uH 1-410-476-11 s INDUCTOR 33uH 9 1-410-482-31 s INDUCTOR 100uH 1-408-414-00 s INDUCTOR 27uH	Q408       8-729-117-72       s TRANSISTOR 2SC4178         Q409       8-729-117-72       s TRANSISTOR 2SC4178         Q410       8-729-117-72       s TRANSISTOR 2SC4178         Q411       8-729-143-07       s TRANSISTOR 2SA1610-YY33         Q412       8-729-143-07       s TRANSISTOR 2SA1610-YY33
L611 L612 L613 L614 L615	1-408-414-00 s INDUCTOR 27uH 1-408-414-00 s INDUCTOR 27uH 1-408-414-00 s INDUCTOR 27uH 1-408-413-00 s INDUCTOR 22uH 1-408-413-00 s INDUCTOR 22uH	Q413 8-729-117-72 s TRANSISTOR 2SC4178 Q414 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q415 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q416 8-729-905-12 s TRANSISTOR DTA144EU Q417 8-729-117-72 s TRANSISTOR 2SC4178
L701 L702 L703 L704 L705	1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-476-11 s INDUCTOR 33uH 1-410-476-11 s INDUCTOR 33uH 1-410-482-31 s INDUCTOR 100uH	Q418       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q501       8-729-117-32 s       TRANSISTOR 2SC4177         Q502       8-729-923-06 s       TRANSISTOR FMW8         Q503       8-729-904-04 s       TRANSISTOR FMS2         Q504       8-729-903-82 s       TRANSISTOR FMW2
Q101 Q102 Q103 Q104	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	Q505 8-729-143-14 s TRANSISTOR 2SC4176-B35 Q506 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q507 8-729-931-46 s TRANSISTOR FMW7 Q508 8-729-907-26 s TRANSISTOR IMX1 Q509 8-729-117-32 s TRANSISTOR 2SC4177
Q105 Q106	8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178	Q510 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q511 8-729-117-32 s TRANSISTOR 2SC4177 Q512 8-729-117-32 s TRANSISTOR 2SC4177 Q513 8-729-117-32 s TRANSISTOR 2SC4177

Ref. No.	Part No. SP Description	Ref. No.	Part No. SP Description
0514			
Q514 Q515	8-729-904-41 s TRANSISTOR FMY3 8-729-143-14 s TRANSISTOR 2SC4176-B35	R123 R124	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q516	8-729-117-32 s TRANSISTOR 2SC4177	R125	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q517 Q601	8-729-904-41 s TRANSISTOR FMY3 8-729-117-32 s TRANSISTOR 2SC4177	R126 R127	1-216-049-91 s METAL, CHIP 1k 5% 1/10\ 1-216-073-00 s METAL, CHIP 10K 5% 1/10\
QOUL	6-125-111-32 \$ 1KMN31310K 2304111	K127	1-210-073-00 S METAL, CHIF TOR 3% 1/10#
Q602	8-729-117-32 s TRANSISTOR 2SC4177	R128	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
Q603 Q604	8-729-923-06 s TRANSISTOR FMW8 8-729-923-06 s TRANSISTOR FMW8	R129 R130	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q605	8-729-904-04 s TRANSISTOR FMS2	R131	1-208-775-11 s METAL, CHIP 510 0.5% 1/10W
Q606	8-729-904-04 s TRANSISTOR FMS2	R132	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W
Q607	8-729-903-82 s TRANSISTOR FMW2	R133	1-216-041-00 s METAL, CHIP 470 5% 1/10\
Q608 Q609	8-729-903-82 s TRANSISTOR FMW2 8-729-907-26 s TRANSISTOR IMX1	R134 R135	1-216-645-11 s METAL, CHIP 560 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q610	8-729-907-26 s TRANSISTOR IMX1	R136	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
Q611	8-729-931-46 s TRANSISTOR FMW7	R137	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
Q612	8-729-931-46 s TRANSISTOR FMW7	R138	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q613	8-729-143-14 s TRANSISTOR 2SC4176-B35	R139	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q614 Q615	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-117-32 s TRANSISTOR 2SC4177	R140 R141	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q616	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R142	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
0617-626	8-729-117-32 s TRANSISTOR 2SC4177	R143	1-216-041-00 s METAL, CHIP 470 5% 1/10W
Q627	8-729-143-14 s TRANSISTOR 2SC4176-B35	R144	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
Q628 Q701	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R145 R146	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
Q701 Q702	8-729-117-32 \$ TRANSISTOR 25C4177	R146 R147	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q703	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R148	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q703 Q704	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R149	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
Q705	8-729-117-32 s TRANSISTOR 2SC4177	R150	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W
Q706 Q707	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R151 R152	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
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Q708 Q709	8-729-117-32 s TRANSISTOR 2SC4177 8-729-422-44 s TRANSISTOR 2SK663	R153 R154	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
Q710	8-729-422-44 s TRANSISTOR 2SK663	R155	1-216-041-00 s METAL, CHIP 470 5% 1/10W
Q711	8-729-422-44 s TRANSISTOR 2SK663	R156	1-216-035-00 s METAL, CHIP 270 5% 1/10W
Q712	8-729-422-44 s TRANSISTOR 2SK663	R157	1-216-037-00 s METAL, CHIP 330 5% 1/10W
Q713	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R158	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q714	8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R159 R160	1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-085-00 s METAL. CHIP 33K 5% 1/10W
R101	1-216-295-91 s RES, CHIP 0	R161	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R102	1-216-295-91 s RES, CHIP 0	R162	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R103 R104	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R163	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R105	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R164	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
		R165	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R106	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R166 R167	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-295-91 s RES, CHIP 0
R108 R109	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	K101	1-210-293-91 S RES, CHIP U
R110	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R168	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R111	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R169	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R112	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R170 R201	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R112 R113	1-216-005-00 S METAL, CHIP 4.7K 5% 1/10W	R201 R202	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R114	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W		
R115	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R203	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R116	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R204 R205	1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W
R117	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R206	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R118	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R207	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R119 R120	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R208	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R121	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R209	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W
D122	1 216 629 11 a METAL CUID 200 0 50 1/10W	R210	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R122	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R211	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R212 R213 R214 R215 R216	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W	R273 R274 R275	1-208-751-11 s METAL, CHIP 51 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R217 R218 R219 R220 R221	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R278 R301 R302	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W
R222 R223 R224 R225 R226	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R305 R306 R307	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R227 R228 R229 R230 R231	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R310 R311 R312	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R232 R233 R234 R235 R236	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R315 R316 R317	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W
R237 R238 R239 R240 R241	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W	R320 R321 R322	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R242 R243 R244 R245 R246	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R325 R326 R327	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R247 R248 R249 R250 R251	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R330 R331 R332	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R253 R254 R255 R256 R257	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W	R335 R336 R337	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R258 R259 R260 R261 R262	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W	R340 R341 R342	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W
R263 R264 R265 R266 R267	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R345 R346 R347	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R268 R269 R270 R271	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R350 R351	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R353	1-216-085-00 s METAL, CHIP 33K 5% 1/10W	R454	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R354	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R455	1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W
R355	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R456	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R356	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R457	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R357	1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W	R458	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R358	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R459	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-208-751-11 s METAL, CHIP 51 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R359	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R460	
R401	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R461	
R402	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R462	
R403	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R463	
R404	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R464	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R405		R501	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R406		R502	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R407		R503	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R408		R504	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R409	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R505	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R410	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R506	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R411	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R507	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R412	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W	R508	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R413	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R509	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R414	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R510	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R415		R511	1-216-033-00 s METAL, CHIP 220 5% 1/10W
R416		R512	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R417		R513	1-216-045-00 s METAL, CHIP 680 5% 1/10W
R418		R514	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R419	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R515	1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R420	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R516	
R421	1-216-649-11 s METAL, CHIP 820 0.5% 1/10W	R517	
R422	1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W	R518	
R423	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R519	
R424	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R520	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R425	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R521	1-216-017-91 s METAL, CHIP 47 5% 1/10W
R426	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R522	1-216-027-00 s METAL, CHIP 120 5% 1/10W
R427	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R523	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R428	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R524	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R429	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R525	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R430		R526	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R431		R527	1-216-647-11 s METAL, CHIP 680 0.5% 1/10W
R432		R528	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R433		R529	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W
R434 R435 R436 R437 R438	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R530 R531 R532 R533 R534	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R439	1-216-063-91 s METAL, CHIP 3.9k 5% 1/10W	R535	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R440	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R536	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R441	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R537	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R442	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R538	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R443	1-216-113-00 s METAL, CHIP 470K 5% 1/10W	R539	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W
R444 R446 R447 R448 R449	1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R540 R541 R542 R543 R544	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R450	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R545	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R451	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W	R546	1-216-113-00 s METAL, CHIP 470K 5% 1/10W
R452	1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W	R547	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W
R453	1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W	R548	1-216-049-91 s METAL, CHIP 1k 5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. N or Q't	o. y Part No. SP Description
R549	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R637	1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R550	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R638	
R551	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R639	
R552	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R640	
R553	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R641	
R554	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R642	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R555	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R643	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R556	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R644	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R557	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R645	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R558	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R646	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R559	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	R647	1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R560	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R648	
R561	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R649	
R562	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R650	
R563	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R651	
R564 R565 R566 R567 R568-572	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 1OK 5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W	R652 R653 R654 R655 R656	1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W
R573	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R657	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R574	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R658	
R575	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R659	
R576	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R660	
R600	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R661	
R601	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R662	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-079-00 s METAL, CHIP 18K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R602	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R663	
R603	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R664	
R604	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R665	
R605	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R666	
R606	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R667	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R607	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R668	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R608	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R669	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R609	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R670	1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W
R610	1-216-033-00 s METAL, CHIP 220 5% 1/10W	R671	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R611	1-216-033-00 s METAL, CHIP 220 5% 1/10W	R672	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R612	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R673	1-216-295-91 s RES, CHIP 0
R613	1-216-045-00 s METAL, CHIP 680 5% 1/10W	R675	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R614	1-216-045-00 s METAL, CHIP 680 5% 1/10W	R676	1-216-037-00 s METAL, CHIP 330 5% 1/10W
R615	1-216-077-00 s METAL, CHIP 15K 5% 1/10W	R677	1-216-037-00 s METAL, CHIP 330 5% 1/10W
R616	1-216-077-00 s METAL, CHIP 15K 5% 1/10W	R678-6	82 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R617	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R683	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R618	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R684	1-216-647-11 s METAL, CHIP 680 0.5% 1/10W
R619	1-216-027-00 s METAL, CHIP 120 5% 1/10W	R685	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R620	1-216-027-00 s METAL, CHIP 120 5% 1/10W	R686	1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W
R621 R622 R623 R626 R627	1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R687 R688 R689 R690 R691	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R628	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R692	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-095-00 s METAL, CHIP 82K 5% 1/10W
R629	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R693	
R630	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R694	
R631	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R695	
R632	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R696	
R633	1-216-295-91 s RES, CHIP 0	R697	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R634	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R698	
R635	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R699	
R636	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R701	

Ref. No. or Q'ty	Part No.	SP	Description
R702 R703 R704 R705 R706	$\begin{array}{c} 1\text{-}216\text{-}025\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \end{array}$	s s s	METAL, CHIP 100 5% 1/10W METAL, CHIP 1k 5% 1/10W METAL, CHIP 1k 5% 1/10W METAL, CHIP 1k 5% 1/10W METAL, CHIP 1k 5% 1/10W
R707 R708 R709 R710 R711	$\begin{array}{c} 120878411 \\ 120878411 \\ 121606500 \\ 121606500 \\ 121602591 \end{array}$	s s s	METAL, CHIP 1.2k 0.5% 1/10W METAL, CHIP 1.2k 0.5% 1/10W METAL, CHIP 4.7K 5% 1/10W METAL, CHIP 4.7K 5% 1/10W METAL, CHIP 100 5% 1/10W
R712 R713 R714 R715 R716	$\begin{array}{c} 1\text{-}216\text{-}025\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \end{array}$	s s s	METAL, CHIP 100 5% 1/10W METAL, CHIP 1k 5% 1/10W
R717 R718 R719 R720 R721	$\begin{array}{c} 121606500 \\ 121606500 \\ 121663911 \\ 121663911 \\ 121602591 \end{array}$	s s s	METAL, CHIP 4.7K 5% 1/10W METAL, CHIP 4.7K 5% 1/10W METAL, CHIP 330 0.5% 1/10W METAL, CHIP 330 0.5% 1/10W METAL, CHIP 100 5% 1/10W
R722 R723 R724 R725 R726	$\begin{array}{c} 121602591 \\ 121606500 \\ 121604100 \\ 121604100 \\ 121604100 \end{array}$	s s s	METAL, CHIP 100 5% 1/10W METAL, CHIP 4.7K 5% 1/10W METAL, CHIP 470 5% 1/10W METAL, CHIP 4.7K 5% 1/10W METAL, CHIP 470 5% 1/10W
R727 R728 R729 R730 R731	$\begin{array}{c} 121604991 \\ 121604991 \\ 121662411 \\ 121662411 \\ 121662411 \end{array}$	s s s	METAL, CHIP 1k 5% 1/10W METAL, CHIP 1k 5% 1/10W METAL, CHIP 75 0.5% 1/10W METAL, CHIP 75 0.5% 1/10W METAL, CHIP 75 0.5% 1/10W
R732 R733-737 R738 R739 R740	$\begin{array}{c} 121662411 \\ 121609791 \\ 121604991 \\ 121604991 \\ 121604991 \end{array}$	s s	METAL, CHIP 100k 5% 1/10W METAL, CHIP 1k 5% 1/10W METAL, CHIP 1k 5% 1/10W
R741 R742 R743 R744 R745	$\begin{array}{c} 1\text{-}216\text{-}073\text{-}00 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}049\text{-}91 \\ 1\text{-}216\text{-}113\text{-}00 \end{array}$	s s s	
R746 R747 R748 R749 R750	$\begin{array}{c} 121604991 \\ 121604991 \\ 121609791 \\ 121604991 \\ 121609791 \end{array}$		METAL, CHIP 1k 5% 1/10W
R751	1-216-049-91	s	METAL, CHIP 1k 5% 1/10W
RV101 RV102 RV103 RV201 RV301	1-241-785-11 1-241-785-11 1-241-761-11 1-241-763-11 1-241-785-11		RES, ADJ METAL 4.7k
RV302 RV303 RV401 RV501 RV502	1-241-785-11 1-241-761-11 1-241-764-11 1-241-761-11 1-241-761-11	s	
RV503 RV504	1-241-761-11 1-241-761-11		RES, ADJ METAL 1k RES, ADJ METAL 1k

Ref. No. or Q'ty	Part No. SP Description
RV505 RV506 RV601 RV602 RV603	1-241-787-11 s RES, ADJ METAL 47k 1-241-787-11 s RES, ADJ METAL 47k
	1-241-784-11 s RES, ADJ METAL 4.7k 1-241-784-11 s RES, ADJ METAL 4.7k 1-241-779-11 s RES, ADJ METAL 100 1-241-783-11 s RES, ADJ METAL 2.2k 1-241-783-11 s RES, ADJ METAL 2.2k
RV703 RV704	1-241-761-11 s RES, ADJ METAL 1k 1-241-761-11 s RES, ADJ METAL 1k
TH201 TH401 TH601	

C330

C331

C332

1-163-033-91 s CERAMIC. CHIP 0.022uF 50V

1-126-933-11 s ELECT 100uF 20% 16V

1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V

1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V

C219

C220

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Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C333 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C334 1-163-253-11 s CERAMIC, CHIP 120PF 5% 50V C335-339 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C340 1-126-933-11 s ELECT 100uF 20% 16V C341 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C517
C342 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C343 1-126-933-11 s ELECT 100uF 20% 16V C344 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C345 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C346 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	C522 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C523 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C524 1-126-933-11 s ELECT 100uF 20% 16V C525-529 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C530 1-126-933-11 s ELECT 100uF 20% 16V
C347	C531
C401-408 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C409 1-126-925-11 s ELECT 470uF 20% 10V C410 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C411 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C412 1-163-222-11 s CERAMIC, CHIP 5PF 50V	C536
C413	C541 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C542 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C543 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C544 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C545 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C418 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C419 1-126-925-11 s ELECT 470uF 20% 10V C420 1-126-925-11 s ELECT 470uF 20% 10V C421-425 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C426 1-126-933-11 s ELECT 100uF 20% 16V	C546 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C547 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C548 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C549 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C550 1-163-222-11 s CERAMIC, CHIP 5PF 50V
C427 1-126-925-11 s ELECT 470uF 20% 10V C428 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C429 1-163-084-00 s CERAMIC, CHIP 1.5PF 50V C430 1-107-552-11 s MICA, CHIP 150pF 1% 50V C431 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C551-555 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C556 1-126-925-11 s ELECT 470uF 20% 10V C557 1-126-925-11 s ELECT 470uF 20% 10V C558 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C559 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C432	C600 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C601 1-126-933-11 s ELECT 100uF 20% 16V C602 1-126-933-11 s ELECT 100uF 20% 16V C603 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C604 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C437	C605 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C606 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C607 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C608 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C609 1-163-118-00 s CERAMIC, CHIP 110PF 5% 50V
C442	C610 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C611 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C614 1-126-933-11 s ELECT 100uF 20% 16V C615 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C616 1-126-933-11 s ELECT 100uF 20% 16V
C504 1-126-933-11 s ELECT 100uF 20% 16V C505-509 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C510 1-131-353-00 s TANTALUM 10uF 10% 35V C511 1-131-353-00 s TANTALUM 10uF 10% 35V C512 1-126-933-11 s ELECT 100uF 20% 16V	C617       1-126-933-11 s ELECT 100uF 20% 16V         C618       1-163-033-91 s CERAMIC, CHIP 0.022uF 50V         C619       1-163-033-91 s CERAMIC, CHIP 0.022uF 50V         C620       1-163-033-91 s CERAMIC, CHIP 0.022uF 50V         C621       1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
C513 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C514 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C515 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C516 1-130-491-00 s MYLAR 0.047uF 5% 50V	C622 1-131-347-00 s TANTALUM 1uF 10% 35V C623 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C624 1-131-347-00 s TANTALUM 1uF 10% 35V C625 1-131-347-00 s TANTALUM 1uF 10% 35V

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Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C626	1-131-347-00 s TANTALUM 1uF 10% 35V	D503	8-719-021-31 s DIODE UZM5.1B
C627	1-126-933-11 s ELECT 100uF 20% 16V	D504	8-719-123-82 s DIODE 1SS303-T1
C628	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	D601	8-719-941-04 s DIODE SB007-03CP
C629	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	DL101	1-415-154-00 s DELAY LINE 35nS
C630	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	DL301	1-415-546-11 s DELAY LINE 50nS
C631 C632 C633 C634 C635-645	1-130-491-00 s MYLAR 0.047uF 5% 50V 1-130-491-00 s MYLAR 0.047uF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	FL201 FL401 FL601	1-239-770-11 s FILTER, LOW-PASS 4MHz 1-239-772-11 s FILTER, LOW-PASS 3MHz 1-239-771-11 s FILTER, LOW-PASS 6 MHz
C646	1-126-933-11 s ELECT 100uF 20% 16V	IC101	8-752-052-75 s IC CXA1479Q
C647	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC102	8-759-300-71 s IC HD14053BFP
C648	1-126-933-11 s ELECT 100uF 20% 16V	IC103	8-759-908-92 s IC TL084CNS
C649	1-126-933-11 s ELECT 100uF 20% 16V	IC104	8-759-702-08 s IC NJM360M
C651	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC201	8-759-981-48 s IC NJM082M
C652	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC202	8-752-052-48 s IC CXA1370Q
C653	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	IC203	8-759-700-65 s IC NJM79L05A
C654	1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC204	1-810-333-11 s HIC BP-022
C655	1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC205	8-759-189-43 s IC AN77L05-TA
C656	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	IC301	8-752-052-75 s IC CXA1479Q
C657	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC302	8-759-300-71 s IC HD14053BFP
C658	1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V	IC303	8-759-908-92 s IC TL084CNS
C659	1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V	IC401	8-752-052-48 s IC CXA1370Q
C660	1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC402	8-759-700-65 s IC NJM79L05A
C661	1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V	IC403	1-810-333-11 s HIC BP-022
C662	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC404	8-759-189-43 s IC AN77L05-TA
C663	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC501	8-759-927-46 s IC SN74HC00ANS
C664	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC502	8-759-908-92 s IC TL084CNS
C665	1-163-224-11 s CERAMIC, CHIP 7PF 50V	IC503	8-759-300-71 s IC HD14053BFP
C667	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC504	8-759-168-20 s IC TA78L09S
C668	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC505	8-759-700-65 s IC NJM79L05A
C669	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC506	8-759-908-92 s IC TL084CNS
C670	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC507	8-752-052-73 s IC CXA1451M
C671	1-126-933-11 s ELECT 100uF 20% 16V	IC508	8-752-052-73 s IC CXA1451M
C701	1-126-933-11 s ELECT 100uF 20% 16V	IC509	8-752-052-73 s IC CXA1451M
C702	1-126-933-11 s ELECT 100uF 20% 16V	IC510	8-752-052-73 s IC CXA1451M
C703	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC511	8-759-182-84 s IC PQ05SZ5U
C704	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC512	8-759-822-95 s IC L79M05T-FA
C705	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	IC601	8-759-907-81 s IC SN74LS221NS
C706	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	IC602	8-759-927-46 s IC SN74HC00ANS
C707	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	IC603	8-759-908-92 s IC TL084CNS
C708	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	IC604	8-759-300-71 s IC HD14053BFP
C709	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	IC605	8-759-908-92 s IC TL084CNS
C710	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	IC606	8-752-054-80 s IC CXA1521M
C711	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	IC607	8-752-054-80 s IC CXA1521M
	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	IC608	8-759-168-20 s IC TA78L09S
	1-126-933-11 s ELECT 100uF 20% 16V	IC609	8-759-906-59 s IC CX22017
	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC610	8-759-700-65 s IC NJM79L05A
	1-126-933-11 s ELECT 100uF 20% 16V	IC611	8-752-052-73 s IC CXA1451M
	1-131-353-00 s TANTALUM 10uF 10% 35V	IC612	8-759-262-00 s IC MC14576CF
C726	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC701 IC702 IC703	8-752-052-73 s IC CXA1451M 8-752-052-73 s IC CXA1451M 8-759-927-46 s IC SN74HC00ANS
CN103 CN104 CN105	1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-506-491-11 s CONNECTOR 12P, MALE	IC704 IC705	8-759-925-74 s IC TC74HC04ANS 8-759-925-85 s IC SN74HC32ANS
D201 D401 D501 D502	8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-941-04 s DIODE SB007-03CP	L101 L102 L103 L104 L105	1-410-482-31 s INDUCTOR 100uH 1-408-406-00 s INDUCTOR 5.6uH 1-408-406-00 s INDUCTOR 5.6uH 1-410-466-41 s INDUCTOR 4.7uH 1-410-482-31 s INDUCTOR 100uH

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(VP-43A BOARD(UVW-1600))	(VP-43A BOARD(UVW-1600))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
L106 1-410-462-11 s INDUCTOR 2. 2uH L107 1-410-482-31 s INDUCTOR 100uH L108 1-410-482-31 s INDUCTOR 100uH L109 1-408-621-31 s INDUCTOR 330uH L110 1-410-482-31 s INDUCTOR 100uH	Q202       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q203       8-729-117-72 s       TRANSISTOR 2SC4178         Q204       8-729-117-72 s       TRANSISTOR 2SC4178         Q206       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q207       8-729-117-72 s       TRANSISTOR 2SC4178
L201 1-410-471-11 s INDUCTOR 12uH L202 1-410-482-31 s INDUCTOR 100uH L203 1-410-468-11 s INDUCTOR 6.8uH L204 1-410-478-11 s INDUCTOR 47uH L205 1-410-482-31 s INDUCTOR 100uH	Q208       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q209       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q210       8-729-117-72 s       TRANSISTOR 2SC4178         Q212       8-729-117-72 s       TRANSISTOR 2SC4178         Q215       8-729-117-72 s       TRANSISTOR 2SC4178
L206 1-410-482-31 s INDUCTOR 100uH L207 1-410-482-31 s INDUCTOR 100uH L301 1-410-482-31 s INDUCTOR 100uH L302 1-410-468-11 s INDUCTOR 6. 8uH L303 1-410-468-11 s INDUCTOR 6. 8uH	Q216       8-729-905-12 s       TRANSISTOR DTA144EU         Q217       8-729-117-72 s       TRANSISTOR 2SC4178         Q218       8-729-143-07 s       TRANSISTOR 2SA1610-YY33         Q219       8-729-117-72 s       TRANSISTOR 2SC4178         Q220       8-729-143-07 s       TRANSISTOR 2SA1610-YY33
L304 1-408-429-00 s INDUCTOR 470uH L305 1-408-429-00 s INDUCTOR 470uH L306 1-408-406-00 s INDUCTOR 5.6uH L307 1-410-482-31 s INDUCTOR 100uH L308 1-410-462-11 s INDUCTOR 2.2uH	Q301 8-729-117-32 s TRANSISTOR 2SC4177 Q302 8-729-117-72 s TRANSISTOR 2SC4178 Q303 8-729-117-72 s TRANSISTOR 2SC4178 Q304 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q305 8-729-117-72 s TRANSISTOR 2SC4178
L309 1-408-621-31 s INDUCTOR 330uH L310 1-410-482-31 s INDUCTOR 100uH L311 1-410-482-31 s INDUCTOR 100uH L312 1-410-482-31 s INDUCTOR 100uH L401 1-410-471-11 s INDUCTOR 12uH	Q306 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q307-311 8-729-117-72 s TRANSISTOR 2SC4178 Q401 8-729-117-72 s TRANSISTOR 2SC4178 Q402 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q403 8-729-117-72 s TRANSISTOR 2SC4178
L402 1-410-482-31 s INDUCTOR 100uH L403 1-408-408-00 s INDUCTOR 8. 2uH L404 1-410-482-31 s INDUCTOR 100uH L405 1-410-482-31 s INDUCTOR 100uH L406 1-410-482-31 s INDUCTOR 100uH	Q404 8-729-117-72 s TRANSISTOR 2SC4178 Q405 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q406 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q407 8-729-117-72 s TRANSISTOR 2SC4178 Q408 8-729-117-72 s TRANSISTOR 2SC4178
L501 1-410-482-31 s INDUCTOR 100uH L502 1-410-482-31 s INDUCTOR 100uH L503 1-410-482-31 s INDUCTOR 100uH L505 1-410-482-31 s INDUCTOR 100uH L506 1-410-482-31 s INDUCTOR 100uH	Q409 8-729-117-72 s TRANSISTOR 2SC4178 Q410 8-729-117-72 s TRANSISTOR 2SC4178 Q411 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q416 8-729-905-12 s TRANSISTOR DTA144EU Q417 8-729-117-72 s TRANSISTOR 2SC4178
L507 1-408-419-00 s INDUCTOR 68uH L508 1-410-478-11 s INDUCTOR 47uH L509 1-410-476-11 s INDUCTOR 33uH L601-609 1-410-482-31 s INDUCTOR 100uH L610 1-410-478-11 s INDUCTOR 47uH	Q418 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q501 8-729-117-32 s TRANSISTOR 2SC4177 Q502 8-729-923-06 s TRANSISTOR FMW8 Q503 8-729-904-04 s TRANSISTOR FMS2 Q504 8-729-903-82 s TRANSISTOR FMW2
L611 1-410-478-11 s INDUCTOR 47uH L612 1-410-478-11 s INDUCTOR 47uH L613 1-410-478-11 s INDUCTOR 47uH L614 1-408-413-00 s INDUCTOR 22uH L701 1-410-482-31 s INDUCTOR 100uH	Q505 8-729-143-14 s TRANSISTOR 2SC4176-B35 Q506 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q507 8-729-931-46 s TRANSISTOR FMW7 Q508 8-729-907-26 s TRANSISTOR IMX1 Q509 8-729-117-32 s TRANSISTOR 2SC4177
L702 1-410-482-31 s INDUCTOR 100uH L703 1-410-476-11 s INDUCTOR 33uH L704 1-410-476-11 s INDUCTOR 33uH L705 1-410-482-31 s INDUCTOR 100uH L706-710 1-412-533-21 s INDUCTOR 47uH	Q510 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q511 8-729-117-32 s TRANSISTOR 2SC4177 Q512 8-729-117-32 s TRANSISTOR 2SC4177 Q513 8-729-117-32 s TRANSISTOR 2SC4177 Q514 8-729-904-41 s TRANSISTOR FMY3
Q101 8-729-117-32 s TRANSISTOR 2SC4177 Q102 8-729-117-72 s TRANSISTOR 2SC4178 Q103 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q104 8-729-117-72 s TRANSISTOR 2SC4178 Q105 8-729-117-72 s TRANSISTOR 2SC4178	Q515       8-729-143-14 s TRANSISTOR 2SC4176-B35         Q516       8-729-117-32 s TRANSISTOR 2SC4177         Q517       8-729-904-41 s TRANSISTOR FMY3         Q601       8-729-117-32 s TRANSISTOR 2SC4177         Q602       8-729-117-32 s TRANSISTOR 2SC4177
Q106 8-729-143-07 s TRANSISTOR 2SA1610-YY33 Q107-111 8-729-117-72 s TRANSISTOR 2SC4178 Q112 8-729-905-18 s TRANSISTOR DTC144EU Q201 8-729-117-72 s TRANSISTOR 2SC4178	Q603 8-729-923-06 s TRANSISTOR FMW8 Q604 8-729-923-06 s TRANSISTOR FMW8 Q605 8-729-904-04 s TRANSISTOR FMS2 Q606 8-729-904-04 s TRANSISTOR FMS2

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Ref. No. or Q'ty Pa	art No. SP Description	Ref. No. or Q'ty	Part No. SP Description
Q608 8- Q609 8- Q610 8-	-729-903-82 s TRANSISTOR FMW2 -729-903-82 s TRANSISTOR FMW2 -729-907-26 s TRANSISTOR IMX1 -729-907-26 s TRANSISTOR IMX1 -729-931-46 s TRANSISTOR FMW7	R132 R133 R134 R135 R136	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W
Q613 8- Q614 8- Q615 8-	-729-931-46 s TRANSISTOR FMW7 -729-143-14 s TRANSISTOR 2SC4176-B35 -729-140-63 s TRANSISTOR 2SA1611-M5M6 -729-117-32 s TRANSISTOR 2SC4177 -729-140-63 s TRANSISTOR 2SA1611-M5M6	R137 R138 R139 R140 R141	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q627 8- Q628 8- Q701 8-	-729-117-32 s TRANSISTOR 2SC4177 -729-143-14 s TRANSISTOR 2SC4176-B35 -729-117-32 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177	R142 R143 R144 R145 R146	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
Q704 8- Q705 8- Q706 8-	-729-140-63 s TRANSISTOR 2SA1611-M5M6 -729-140-63 s TRANSISTOR 2SA1611-M5M6 -729-117-32 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177 -729-117-32 s TRANSISTOR 2SC4177	R147 R148 R149 R150 R151	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q709 8- Q710 8- Q711 8-	1-729-117-32 s TRANSISTOR 2SC4177 1-729-422-44 s TRANSISTOR 2SK663 1-729-422-44 s TRANSISTOR 2SK663 1-729-422-44 s TRANSISTOR 2SK663 1-729-422-44 s TRANSISTOR 2SK663	R152 R153 R154 R155 R156	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-035-00 s METAL, CHIP 270 5% 1/10W
Q714 8	5-729-140-63 s TRANSISTOR 2SA1611-M5M6 5-729-140-63 s TRANSISTOR 2SA1611-M5M6	R157 R158 R159	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R102 1 R103 1	-216-627-11 s METAL, CHIP 100 0.5% 1/10W -216-627-11 s METAL, CHIP 100 0.5% 1/10W -216-634-11 s METAL, CHIP 200 0.5% 1/10W -216-634-11 s METAL, CHIP 200 0.5% 1/10W	R160 R161 R162	1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R105 1 R106 1 R107 1	-216-025-91 s METAL, CHIP 100 5% 1/10W -216-057-00 s METAL, CHIP 2.2K 5% 1/10W -216-295-91 s RES, CHIP 0 -216-025-91 s METAL, CHIP 100 5% 1/10W	R163 R164 R165 R166	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R109 1 R110 1	216-025-91 s METAL, CHIP 100 5% 1/10W 216-049-91 s METAL, CHIP 1k 5% 1/10W	R168 R169 R170	1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R112 1 R113 1	216-025-91 s METAL, CHIP 100 5% 1/10W 216-065-00 s METAL, CHIP 4.7K 5% 1/10W 216-025-91 s METAL, CHIP 100 5% 1/10W	R201 R202	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R115 1	-216-057-00 s METAL, CHIP 2.2K 5% 1/10W -216-025-91 s METAL, CHIP 100 5% 1/10W	R203 R204 R205	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-823-11 s METAL, CHIP 51k 0.5% 1/10W 1-216-650-11 s METAL, CHIP 910 0.5% 1/10W
R117 1 R118 1	216-073-00 s METAL, CHIP 10K 5% 1/10W 216-073-00 s METAL, CHIP 10K 5% 1/10W 216-025-91 s METAL, CHIP 100 5% 1/10W 216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R206 R207 R208	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R120 1	-216-638-11 s METAL, CHIP 300 0.5% 1/10W -216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R209 R210 R211	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R122 1 R123 1	-216-638-11 s METAL, CHIP 300 0.5% 1/10W -216-025-91 s METAL, CHIP 100 5% 1/10W -216-049-91 s METAL, CHIP 1k 5% 1/10W	R212 R213	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W
R125 1	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R214 R215 R216	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W
R127 1 R128 1	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 10O 5% 1/10W	R217 R218	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R130 1	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W	R219 R220 R221	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W

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Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R222 R223 R224 R227 R228	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R317 1-216-025-91 s METAL, CHIP 100 5% 1/10W R318 .1-216-638-11 s METAL, CHIP 300 0.5% 1/10W R319 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R320 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R321 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R229 R230 R232 R233 R237	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R322 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R323 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R324 1-216-025-91 s METAL, CHIP 100 5% 1/10W R325 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W R326 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W
R240 R241 R244 R245 R246	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R327 1-216-041-00 s METAL, CHIP 470 5% 1/10W R328 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R329 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R330 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R331 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R247 R248 R249 R250 R251	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R332 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R333 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R334 1-216-025-91 s METAL, CHIP 100 5% 1/10W R335 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R336 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
R253 R255 R256 R257 R258	1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-652-11 s METAL, CHIP 1.1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W	R337 1-216-041-00 s METAL, CHIP 470 5% 1/10W R338 1-216-037-00 s METAL, CHIP 330 5% 1/10W R339 1-216-037-00 s METAL, CHIP 330 5% 1/10W R340 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R341 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R259 R260 R262 R263 R264	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R342 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R343 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R344 1-216-037-00 s METAL, CHIP 330 5% 1/10W R345 1-216-041-00 s METAL, CHIP 470 5% 1/10W R346 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R265 R266 R267 R268 R269	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R347 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W R348 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R349 1-216-025-91 s METAL, CHIP 100 5% 1/10W R350 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R351 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R270 R271 R272 R273 R274	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-208-751-11 s METAL, CHIP 51 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-295-91 s RES, CHIP 0	R352 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R353 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R354 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R355 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R356 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R275 R276 R278 R301 R302	1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W 1-216-633-11 s METAL, CHIP 180 0.5% 1/10W	R357 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R358 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R359 1-216-037-00 s METAL, CHIP 330 5% 1/10W R401 1-216-025-91 s METAL, CHIP 100 5% 1/10W R402 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R303 R304 R305 R306 R307	1-216-629-11 s METAL, CHIP 120 0.5% 1/10W 1-216-629-11 s METAL, CHIP 120 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R403 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R404 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R405 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R406 1-216-025-91 s METAL, CHIP 100 5% 1/10W R407 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R308 R309 R310 R311 R312	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R408 1-216-025-91 s METAL, CHIP 100 5% 1/10W R409 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R410 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R411 1-216-025-91 s METAL, CHIP 100 5% 1/10W R412 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W
R313 R314 R315 R316	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R413 1-216-025-91 s METAL, CHIP 100 5% 1/10W R414 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W R415 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R416 1-216-025-91 s METAL, CHIP 100 5% 1/10W

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Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description	
R417 R418 R419 R420 R421	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-649-11 s METAL, CHIP 820 0.5% 1/10W	R522 1-216-027-00 s METAL, CHIP 120 5% 1/10W R523 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R524 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R525 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R526 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R523 1-216-081-00 s R524 1-216-081-00 s R525 1-216-081-00 s
R422 R423 R424 R425 R426	1-216-664-11 s METAL, CHIP 3.6K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R527 1-216-647-11 s METAL, CHIP 680 0.5% 1/10W R528 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R529 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R530 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R531 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R528 1-216-057-00 s R529 1-216-659-11 s R530 1-216-651-11 s
R427 R428 R429 R440 R441	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-208-801-11 s METAL, CHIP 6.2k 0.5% 1/10W	R532 1-216-041-00 s METAL, CHIP 470 5% 1/10W R533 1-216-025-91 s METAL, CHIP 100 5% 1/10W R534 1-216-041-00 s METAL, CHIP 470 5% 1/10W R535 1-216-041-00 s METAL, CHIP 470 5% 1/10W R536 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R533 1-216-025-91 s R534 1-216-041-00 s R535 1-216-041-00 s
R442 R443 R444 R445 R446	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-119-00 s METAL, CHIP 820K 5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	R537 1-216-041-00 s METAL, CHIP 470 5% 1/10W R538 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R539 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R540 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R541 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R538 1-216-651-11 s R539 1-208-784-11 s R540 1-216-057-00 s
R447 R448 R449 R450 R451	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W	R542 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R543 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R545 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R546 1-216-113-00 s METAL, CHIP 470K 5% 1/10W	R543 1-216-057-00 s R544 1-216-049-91 s R545 1-216-049-91 s
R452 R453 R454 R455 R456	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R547 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R548 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R549 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R550 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R551 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R548 1-216-049-91 s R549 1-216-049-91 s R550 1-216-049-91 s
R457 R458 R459 R460 R461	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-208-751-11 s METAL, CHIP 51 0.5% 1/10W	R552 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R553 1-216-041-00 s METAL, CHIP 470 5% 1/10W R554 1-216-041-00 s METAL, CHIP 470 5% 1/10W R555 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R556 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R553 1-216-041-00 s R554 1-216-041-00 s R555 1-216-073-00 s
R462 R463 R464 R501 R502	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R557 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R558 1-216-041-00 s METAL, CHIP 470 5% 1/10W R559 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W R560 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R561 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R558 1-216-041-00 s R559 1-216-053-00 s R560 1-216-049-91 s
R503 R504 R505 R506 R507	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R562 1-216-017-91 s METAL, CHIP 47 5% 1/10W R563 1-216-017-91 s METAL, CHIP 47 5% 1/10W R564 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R565 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R566 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R563 1-216-017-91 s R564 1-216-667-11 s R565 1-216-651-11 s
R508 R509 R510 R511 R512	1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R567 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10 R568-572 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R573 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R574 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R575 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R568-572 1-216-624-11 s R573 1-216-049-91 s R574 1-216-081-00 s
R513 R514 R515 R516 R517	1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-033-00 s METAL, CHIP 220 5% 1/10W	R576 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R600 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R601 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R602 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R603 1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R600 1-208-806-11 s R601 1-216-049-91 s R602 1-216-049-91 s
R518 R519 R520 R521	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R604 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R605 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R606 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R607 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R605 1-216-049-91 s R606 1-216-049-91 s

(11 1011 201112 (0111 1000))	(T IOH DOING (OTH 1000))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R608 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R609 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R610 1-216-033-00 s METAL, CHIP 220 5% 1/10W R611 1-216-033-00 s METAL, CHIP 220 5% 1/10W R612 1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W	R669 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R670 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W R671 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R672 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R673 1-216-295-91 s RES, CHIP 0
R613 1-216-045-00 s METAL, CHIP 680 5% 1/10W R614 1-216-045-00 s METAL, CHIP 680 5% 1/10W R615 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R616 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R617 1-216-017-91 s METAL, CHIP 47 5% 1/10W	R675
R618 1-216-017-91 s METAL, CHIP 47 5% 1/10W R619 1-216-027-00 s METAL, CHIP 120 5% 1/10W R620 1-216-027-00 s METAL, CHIP 120 5% 1/10W R621 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R622 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R684 1-216-647-11 s METAL, CHIP 680 0.5% 1/10W R686 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R687 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R688 1-216-045-00 s METAL, CHIP 680 5% 1/10W R689 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W
R623 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R626 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R627 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R628 1-216-057-00 s METAL, CHIP 2. 2K 5% 1/10W R629 1-216-057-00 s METAL, CHIP 2. 2K 5% 1/10W	R690 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R691 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R692 1-216-025-91 s METAL, CHIP 100 5% 1/10W R693 1-216-025-91 s METAL, CHIP 100 5% 1/10W R694 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W
R630 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R631 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R632 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R633 1-216-295-91 s RES, CHIP 0 R634 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R695
R635 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R636 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R637 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R638 1-216-121-91 s METAL, CHIP 1M 5% 1/10W R639 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R701 1-216-025-91 s METAL, CHIP 100 5% 1/10W R702 1-216-025-91 s METAL, CHIP 100 5% 1/10W R703 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R704 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R705 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R640 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R641 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R642 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R643 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R644 1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R706 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R707 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R708 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R709 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R710 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R645 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R646 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R647 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R648 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R649 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R711 1-216-025-91 s METAL, CHIP 100 5% 1/10W R712 1-216-025-91 s METAL, CHIP 100 5% 1/10W R713 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R714 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R715 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R650 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R651 1-216-025-91 s METAL, CHIP 100 5% 1/10W R652 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W R653 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R654 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R716 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R717 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R718 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R719 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R720 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W
R655 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R656 1-216-047-91 s METAL, CHIP 820 5% 1/10W R657 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R658 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R659 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R721 1-216-025-91 s METAL, CHIP 100 5% 1/10W R722 1-216-025-91 s METAL, CHIP 100 5% 1/10W R723 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R724 1-216-041-00 s METAL, CHIP 470 5% 1/10W R725 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R660 1-216-041-00 s METAL, CHIP 470 5% 1/10W R661 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R662 1-216-037-00 s METAL, CHIP 330 5% 1/10W R663 1-216-077-00 s METAL, CHIP 15K 5% 1/10W R664 1-216-079-00 s METAL, CHIP 18K 5% 1/10W	R726 1-216-041-00 s METAL, CHIP 470 5% 1/10W R727 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R728 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R729 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R730 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W
R665 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R666 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R667 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R668 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R731 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R732 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W R733-737 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R738 1-216-049-91 s METAL, CHIP 1k 5% 1/10W

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Ref. No.
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(VP-43A	BOARD (UVW-1600))
Ref. No. or Q'ty	
R739	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R740	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R741	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R742	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R743	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R744	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R745	1-216-113-00 s METAL, CHIP 470K 5% 1/10W
R746	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R747	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R748	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R749	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R750	1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R751	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
RV101	1-241-785-11 s RES, ADJ METAL 10k
RV102	1-241-785-11 s RES, ADJ METAL 10k
RV103	1-241-761-11 s RES, ADJ METAL 1k
RV201	1-241-763-11 s RES, ADJ METAL 4.7k
RV301	1-241-785-11 s RES, ADJ METAL 10k
RV302	1-241-785-11 s RES, ADJ METAL 10k
RV303	1-241-761-11 s RES, ADJ METAL 1k
RV401	1-241-764-11 s RES, ADJ METAL 10k
RV501	1-241-761-11 s RES, ADJ METAL 1k
RV502	1-241-761-11 s RES, ADJ METAL 1k
RV503	1-241-761-11 s RES, ADJ METAL 1k
RV504	1-241-761-11 s RES, ADJ METAL 1k
RV505	1-241-761-11 s RES, ADJ METAL 1k
RV506	1-241-758-11 s RES, ADJ METAL 100
RV601	1-241-787-11 s RES, ADJ METAL 47k

1-241-787-11 s RES, ADJ METAL 47k

1-241-783-11 s RES, ADJ METAL 2.2k

1-241-784-11 s RES, ADJ METAL 4.7k

1-241-784-11 s RES, ADJ METAL 4.7k

1-241-779-11 s RES, ADJ METAL 100

1--241--783--11 s RES, ADJ METAL 2.2k

1-241-783-11 s RES, ADJ METAL 2.2k

1-807-972-11 s THERMISTOR SV-1715 1.25k

1-807-972-11 s THERMISTOR SV-1715 1.25k

1-807-972-11 s THERMISTOR SV-1715 1.25k

1-241-761-11 s RES, ADJ METAL 1k

1-241-761-11 s RES, ADJ METAL 1k

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or Q'ty Part No. SP Description
VP-43AP board is used for UVW-1600P(EK).
             A-8275-464-A o MOUNTED CIRCUIT BOARD, VP-43AP
1pc
             3-182-386-02 o PLATE, SHIELD (L), CARD
1pc
             7-621-759-45 s SCREW, +PSW2.6x6
1pc
             3-179-084-01 s LEVER (R), PC BOARD
3-179-085-01 s LEVER (L), PC BOARD
1pc
1pc
            1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C101
C102
C103
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C104
C105
C106
             1-126-933-11 s ELECT 100uF 20% 16V
            1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-108-00 s CERAMIC, CHIP 43PF 5% 50V
1-163-249-11 s CERAMIC, CHIP 82pF 5% 50V
C107
C108
C109
C110
C111
             1-163-108-00 s CERAMIC, CHIP 43PF 5% 50V
             1-124-903-11 s ELECT 1uF 20% 50V
1-124-903-11 s ELECT 1uF 20% 50V
C112
C113
             1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C114
C115
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C116
C117 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C118 1-163-245-11 s CERAMIC, CHIP 56PF 5% 50V
C119 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
C120-127 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
             1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C128
C129
C130
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
             1-126-933-11 s ELECT 100uF 20% 16V
C131
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C132
1-126-933-11 s ELECT 100uF 20% 16V
C143
             1-126-933-11 s ELECT 100uF 20% 16V
C144
             1-126-933-11 s ELECT 100uF 20% 16V
C145
C146
             1-126-933-11 s ELECT 100uF 20% 16V
             1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V
C147
C148
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C149
             1-126-933-11 s ELECT 100uF 20% 16V
C150
             1-163-229-11 s CERAMIC, CHIP 12PF 5% 50V
C201-212 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C213 1-163-222-11 s CERAMIC, CHIP 5PF 50V C214 1-163-222-11 s CERAMIC, CHIP 5PF 50V
C215
             1-126-925-11 s ELECT 470uF 20% 10V
             1-163-033-91 s CERAMIC, CHIP 0.022 uF 50V
C216
            1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-222-11 s CERAMIC, CHIP 5PF 50V
1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V
C217
C218
C219
C220
             1-163-091-00 s CERAMIC, CHIP 8PF 50V
C221
C222
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
             1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C223
C224
             1-126-925-11 s ELECT 470uF 20% 10V
             1-126-925-11 s ELECT 470uF 20% 10V
C226-230 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
            1-126-925-11 s ELECT 470uF 20% 10V
C231
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RV602

RV603

RV604

RV605

RV606

RV701

RV702

RV703

RV704

TH201

TH401

TH601

## (VP-43AP BOARD(UVW-1600P))

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C232 C234 C235 C236 C237	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-107-552-11 s MICA, CHIP 150pF 1% 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-963-11 s ELECT 4.7uF 20% 50V	C343
C238 C239 C240 C241 C242	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-163-114-00 s CERAMIC, CHIP 75PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C348
C243 C244 C245 C246 C247	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-925-11 s ELECT 470uF 20% 10V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C409 1-126-925-11 s ELECT 470uF 20% 10V C410 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V C411 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V C412 1-163-222-11 s CERAMIC, CHIP 5PF 50V C413 1-163-222-11 s CERAMIC, CHIP 5PF 50V
C248 C249 C250 C251 C252	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-964-11 s ELECT 10uF 20% 50V 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C414 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C415 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V C416 1-163-222-11 s CERAMIC, CHIP 5PF 50V C417 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C418 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C253 C301 C302 C303 C304	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C419 1-126-925-11 s ELECT 470uF 20% 10V C420 1-126-925-11 s ELECT 470uF 20% 10V C421-425 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V C426 1-126-933-11 s ELECT 100uF 20% 16V C427 1-126-925-11 s ELECT 470uF 20% 10V
C305 C306 C307 C308 C309	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-110-00 s CERAMIC, CHIP 51PF 5% 50V	C428 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C429 1-163-222-11 s CERAMIC, CHIP 5PF 50V C430 1-107-552-11 s MICA, CHIP 150pF 1% 50V C431 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C432 1-126-963-11 s ELECT 4.7uF 20% 50V
C310 C311 C312 C313 C314	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V 1-163-110-00 s CERAMIC, CHIP 51PF 5% 50V 1-124-903-11 s ELECT 1uF 20% 50V 1-124-903-11 s ELECT 1uF 20% 50V 1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	C433 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C434 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C435 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C436 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C437 1-126-925-11 s ELECT 470uF 20% 10V
C315 C316 C317 C318 C319	1-163-135-00 s CERAMIC, CHIP 560PF 5% 50V 1-163-257-11 s CERAMIC, CHIP 180PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V	C438 1-126-933-11 s ELECT 100uF 20% 16V C439 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C440 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C441 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C442 1-126-933-11 s ELECT 100uF 20% 16V
C320 C321 C322 C323 C324	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C443
C325 C326 C327 C328 C329	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C505-509 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C510 1-131-353-00 s TANTALUM 10uF 10% 35V C511 1-131-353-00 s TANTALUM 10uF 10% 35V C512 1-126-933-11 s ELECT 100uF 20% 16V C513 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C330 C331 C332 C333 C334	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C514 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C515 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C516 1-130-491-00 s MYLAR 0.047uF 5% 50V C517 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C518 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C335-339 C340 C341 C342	9 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C519 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C520 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C521 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V C522 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V

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C544	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C660	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C545	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C661	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C546	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V	C662	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C547	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C663	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C548	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C664	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C549	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C665	1-163-087-00 s CERAMIC, CHIP 4PF 50V
C550	1-163-222-11 s CERAMIC, CHIP 5PF 50V	C666	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C551–555	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C667	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C556	1-126-925-11 s ELECT 470uF 20% 10V	C668	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C557	1-126-925-11 s ELECT 470uF 20% 10V	C669	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C558	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C670	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C559	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C671	1-126-933-11 s ELECT 100uF 20% 16V
C600	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C701	1-126-933-11 s ELECT 100uF 20% 16V
C601	1-126-933-11 s ELECT 100uF 20% 16V	C702	1-126-933-11 s ELECT 100uF 20% 16V
C602	1-126-933-11 s ELECT 100uF 20% 16V	C703	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C603	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C704	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C604	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C705	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
C605	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C706	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
C606	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C707	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C607	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C708	1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C608	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C709	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C609	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C710	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C610	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C711	1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V
C611 C614 C615 C616 C617	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V		1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-131-353-00 s TANTALUM 10uF 10% 35V
C620	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V 1-131-347-00 s TANTALUM 1uF 10% 35V	C726 CN103 CN104 CN105	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-506-491-11 s CONNECTOR 12P, MALE
C623	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	D201	8-719-123-82 s DIODE 1SS303-T1
C624	1-131-347-00 s TANTALUM 1uF 10% 35V	D401	8-719-123-82 s DIODE 1SS303-T1
C625	1-131-347-00 s TANTALUM 1uF 10% 35V	D501	8-719-123-82 s DIODE 1SS303-T1
C626	1-131-347-00 s TANTALUM 1uF 10% 35V	D502	8-719-941-04 s DIODE SB007-03CP
C627	1-126-933-11 s ELECT 100uF 20% 16V	D503	8-719-021-31 s DIODE UZM5.1B
C629	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-130-491-00 s MYLAR 0.047uF 5% 50V	D504 D601 DL101	8-719-123-82 s DIODE ISS303-T1 8-719-941-04 s DIODE SB007-03CP 1-415-674-11 s DELAY LINE

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Ref. No.	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
DL301	1-415-546-11 s DELAY LINE 50nS	L110 1-410-482-31 s INDUCTOR 100uH L111 1-410-466-41 s INDUCTOR 4.7uH
FL201 FL401 FL601	1-239-819-11 s FILTER, LOW-PASS 1-239-772-11 s FILTER, LOW-PASS 3MHz 1-239-771-11 s FILTER, LOW-PASS 6MHz	L111 1-410-406-41 S INDUCTOR 4.70H L201 1-410-471-11 S INDUCTOR 12uH L202 1-410-482-31 S INDUCTOR 100uH L203 1-410-468-11 S INDUCTOR 6.8uH
IC101 IC102 IC103 IC104 IC201	8-752-052-75 s IC CXA1479Q 8-759-300-71 s IC HD14053BFP 8-759-908-92 s IC TL084CNS 8-759-702-08 s IC NJM360M 8-759-981-48 s IC NJM082M	L204 1-410-476-11 s INDUCTOR 33uH L205 1-410-482-31 s INDUCTOR 100uH L206 1-410-482-31 s INDUCTOR 100uH L207 1-410-482-31 s INDUCTOR 100uH L208 1-408-617-31 s INDUCTOR 150uH
IC202 IC203 IC204 IC205 IC301	8-752-052-48 s IC CXA1370Q 8-759-700-65 s IC NJM79L05A 1-810-333-11 s HIC BP-022 8-759-189-43 s IC AN77L05-TA 8-752-052-75 s IC CXA1479Q	L301 1-410-482-31 s INDUCTOR 100uH L302 1-410-468-11 s INDUCTOR 6.8uH L303 1-410-468-11 s INDUCTOR 6.8uH L304 1-408-429-00 s INDUCTOR 470uH L305 1-408-429-00 s INDUCTOR 470uH
IC302 IC303 IC401 IC402 IC403	8-759-300-71 s IC HD14053BFP 8-759-908-92 s IC TL084CNS 8-752-052-48 s IC CXA1370Q 8-759-700-65 s IC NJM79L05A 1-810-333-11 s HIC BP-022	L306
IC404 IC501 IC502 IC503 IC504	8-759-189-43 s IC AN77L05-TA 8-759-927-46 s IC SN74HC00ANS 8-759-908-92 s IC TL084CNS 8-759-300-71 s IC HD14053BFP 8-759-168-20 s IC TA78L09S	L311 1-410-482-31 s INDUCTOR 100uH L312 1-410-482-31 s INDUCTOR 100uH L401 1-410-471-11 s INDUCTOR 12uH L402 1-410-482-31 s INDUCTOR 100uH L403 1-408-408-00 s INDUCTOR 8.2uH
IC505 IC506 IC507 IC508 IC509	8-759-700-65 s IC NJM79L05A 8-759-908-92 s IC TL084CNS 8-752-052-73 s IC CXA1451M 8-752-052-73 s IC CXA1451M 8-752-052-73 s IC CXA1451M	L404 1-410-482-31 s INDUCTOR 100uH L405 1-410-482-31 s INDUCTOR 100uH L406 1-410-482-31 s INDUCTOR 100uH L501 1-410-482-31 s INDUCTOR 100uH L502 1-410-482-31 s INDUCTOR 100uH
IC510 IC511 IC512 IC601 IC602	8-752-052-73 s IC CXA1451M 8-759-182-84 s IC PQ05SZ5U 8-759-822-95 s IC L79M05T-FA 8-759-907-81 s IC SN74LS221NS 8-759-927-46 s IC SN74HC00ANS	L503
IC603 IC604 IC605 IC606 IC607	8-759-908-92 s IC TL084CNS 8-759-300-71 s IC HD14053BFP 8-759-908-92 s IC TL084CNS 8-752-054-80 s IC CXA1521M 8-752-054-80 s IC CXA1521M	L509 1-410-476-11 s INDUCTOR 33uH L601-609 1-410-482-31 s INDUCTOR 100uH L610 1-408-414-00 s INDUCTOR 27uH L611 1-408-414-00 s INDUCTOR 27uH L612 1-408-414-00 s INDUCTOR 27uH
IC608 IC609 IC610 IC611 IC612	8-759-168-20 s IC TA78L09S 8-759-906-59 s IC CX22017 8-759-700-65 s IC NJM79L05A 8-752-052-73 s IC CXA1451M 8-759-262-00 s IC MC14576CF	L613 1-408-414-00 s INDUCTOR 27uH L614 1-408-413-00 s INDUCTOR 22uH L615 1-408-413-00 s INDUCTOR 22uH L701 1-410-482-31 s INDUCTOR 100uH L702 1-410-482-31 s INDUCTOR 100uH
IC701 IC702 IC703 IC704 IC705	8-752-052-73 s IC CXA1451M 8-752-052-73 s IC CXA1451M 8-759-927-46 s IC SN74HC00ANS 8-759-925-74 s IC TC74HC04ANS 8-759-925-85 s IC SN74HC32ANS	L703 1-410-476-11 s INDUCTOR 33uH L704 1-410-476-11 s INDUCTOR 33uH L705 1-410-482-31 s INDUCTOR 100uH L706-710 1-412-533-21 s INDUCTOR 47uH
L101 L102	1-410-482-31 s INDUCTOR 100uH 1-410-466-41 s INDUCTOR 4.7uH	Q101 8-729-117-32 s TRANSISTOR 2SC417 Q102 8-729-117-72 s TRANSISTOR 2SC417 Q103 8-729-143-07 s TRANSISTOR 2SA16

Q103

Q104

Q105

Q106

Q112

Q201

Q202

8-729-143-07 s TRANSISTOR 2SA1610-YY33

8-729-143-07 s TRANSISTOR 2SA1610-YY33

8-729-143-07 s TRANSISTOR 2SA1610-YY33

8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178

8-729-905-18 s TRANSISTOR DTC144EU 8-729-117-72 s TRANSISTOR 2SC4178

Q107-111 8-729-117-72 s TRANSISTOR 2SC4178

L102

L103

L104

L105

L106

L107

L108

L109

1-410-466-41 s INDUCTOR 4.7uH

1-410-466-41 s INDUCTOR 4.7uH 1-410-466-41 s INDUCTOR 4.7uH

1-410-482-31 s INDUCTOR 100uH

1-410-462-11 s INDUCTOR 2.2uH

1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH

1-408-621-31 s INDUCTOR 330uH

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Ref. No.	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
Q203 Q204 Q206 Q207	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q608 8-729-903-82 s TRANSISTOR FMW2 Q609 8-729-907-26 s TRANSISTOR IMX1 Q610 8-729-907-26 s TRANSISTOR IMX1 Q611 8-729-931-46 s TRANSISTOR FMW7 Q612 8-729-931-46 s TRANSISTOR FMW7
Q210 Q212 Q215	8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-905-12 s TRANSISTOR DTA144EU	Q613 8-729-143-14 s TRANSISTOR 2SC4176-B35 Q614 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q615 8-729-117-32 s TRANSISTOR 2SC4177 Q616 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q617-626 8-729-117-32 s TRANSISTOR 2SC4177
Q218 Q219 Q220	8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-32 s TRANSISTOR 2SC4177	Q627 8-729-143-14 s TRANSISTOR 2SC4176-B35 Q628 8-729-117-32 s TRANSISTOR 2SC4177 Q701 8-729-117-32 s TRANSISTOR 2SC4177 Q702 8-729-117-32 s TRANSISTOR 2SC4177 Q703 8-729-140-63 s TRANSISTOR 2SA1611-M5M6
Q303 Q304 Q305	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33	Q704 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q705 8-729-117-32 s TRANSISTOR 2SC4177 Q706 8-729-117-32 s TRANSISTOR 2SC4177 Q707 8-729-117-32 s TRANSISTOR 2SC4177 Q708 8-729-117-32 s TRANSISTOR 2SC4177
Q401 Q402 Q403	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	Q709       8-729-422-44 s       TRANSISTOR 2SK663         Q710       8-729-422-44 s       TRANSISTOR 2SK663         Q711       8-729-422-44 s       TRANSISTOR 2SK663         Q712       8-729-422-44 s       TRANSISTOR 2SK663         Q713       8-729-140-63 s       TRANSISTOR 2SA1611-M5M6
Q406 Q407 Q408 Q409	8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178	Q714 8-729-140-63 s TRANSISTOR 2SA1611-M5M6  R101 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W R102 1-216-625-11 s METAL, CHIP 82 0.5% 1/10W R103 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R104 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
Q411 Q416 Q417 Q418	8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-905-12 s TRANSISTOR DTA144EU 8-729-117-72 s TRANSISTOR 2SC4178 8-729-143-07 s TRANSISTOR 2SA1610-YY33	R105 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R106 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W  R108 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R109 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R110 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q502 Q503 Q504 Q505	8-729-117-32 s TRANSISTOR 2SC4177 8-729-923-06 s TRANSISTOR FMW8 8-729-904-04 s TRANSISTOR FMS2 8-729-903-82 s TRANSISTOR FMW2 8-729-143-14 s TRANSISTOR 2SC4176-B35	R111 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R112 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W  R113 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R114 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W  R115 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q507 Q508 Q509 Q510	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-931-46 s TRANSISTOR FMW7 8-729-907-26 s TRANSISTOR IMX1 8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R116 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R117 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R118 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R119 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W  R120 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W
Q512 Q513 Q514 Q515	8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-904-41 s TRANSISTOR FMY3 8-729-143-14 s TRANSISTOR 2SC4176-B35	R121 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W  R122 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W  R123 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R124 1-216-049-91 s METAL, CHIP 1k 5% 1/10W  R125 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
Q517 Q601 Q602 Q603	8-729-117-32 s TRANSISTOR 2SC4177 8-729-904-41 s TRANSISTOR FMY3 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-923-06 s TRANSISTOR FMW8	R126 1-216-049-91 s METAL, CHIP 1k 5% 1/10W  R127 1-216-073-00 s METAL, CHIP 10K 5% 1/10W  R128 1-216-097-91 s METAL, CHIP 100k 5% 1/10W  R129 1-216-025-91 s METAL, CHIP 100 5% 1/10W  R130 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q605 Q606	8-729-923-06 s TRANSISTOR FMW8 8-729-904-04 s TRANSISTOR FMS2 8-729-904-04 s TRANSISTOR FMS2 8-729-903-82 s TRANSISTOR FMW2	R131 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W R132 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R133 1-216-041-00 s METAL, CHIP 470 5% 1/10W

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(VP-43AP	BOARD (UVW-1600P))	(VP-43AP	BOARD(UVW-1600P))
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R134	1-216-645-11 s METAL, CHIP 560 0.5% 1/10W	R223	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R135	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R224	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R136	1-208-822-11 s METAL, CHIP 47k 0.5% 1/10W	R227	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R137	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R228	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R138	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R229	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W
R139	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R230	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R140	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R232	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R141	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R233	1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W
R142	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R237	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R143	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R240	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R144	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W	R241	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R145	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R244	
R146	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R245	
R147	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R246	
R148	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R247	
R149 R150 R151 R152 R153	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R248 R249 R250 R251 R253	1-208-799-11 s METAL, CHIP 5.1k 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R154	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R254	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W
R155	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R255	
R156	1-216-035-00 s METAL, CHIP 270 5% 1/10W	R256	
R157	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R257	
R158	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R258	
R159	1-216-077-00 s METAL, CHIP 15K 5% 1/10W	R259	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-689-11 s METAL, CHIP 39K 0.5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-685-11 s METAL, CHIP 27K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R160	1-216-085-00 s METAL, CHIP 33K 5% 1/10W	R260	
R161	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R261	
R162	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R262	
R163	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R263	
R164	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R264	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R165	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R265	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R166	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R266	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W
R167	1-216-295-91 s RES, CHIP 0	R267	1-216-037-00 s METAL, CHIP 330 5% 1/10W
R168	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R268	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R169	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R269	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-208-751-11 s METAL, CHIP 51 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R170	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R270	
R201	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R271	
R202	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R272	
R203	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R273	
R204	1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W	R274	1-216-295-91 s RES, CHIP 0
R205	1-216-650-11 s METAL, CHIP 910 0.5% 1/10W	R275	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R206	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R276	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R207	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R277	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W
R208	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R278	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R209	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R301	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W
R210	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R302	1-216-625-11 s METAL, CHIP 82 0.5% 1/10W
R211	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R303	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
R212	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R304	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
R213	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R305	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R214	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R306	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R215	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R307	
R216	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W	R308	
R217	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R309	
R218	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R310	
R219	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R311	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R220	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R312	
R221	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R313	
R222	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R314	

## (VP-43AP BOARD(UVW-1600P))

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Pa	irt No.	SP Descri	ption
R315 R316 R317 R318 R319	1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-638-11 s METAL, CHIP 300 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R416 1-3 R417 1-3 R418 1-3	-216-025-91 -216-055-00 -208-784-11	s METAL, s METAL, s METAL,	CHIP 470 0.5% 1/10W CHIP 100 5% 1/10W CHIP 1.8K 5% 1/10W CHIP 1.2k 0.5% 1/10W CHIP 4.7K 5% 1/10W
R320 R321 R322 R323 R324	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R421 1-2 R422 1-2 R423 1-2	-216-649-11 -216-664-11 -216-073-00	s METAL, s METAL, s METAL,	CHIP 1K 0.5% 1/10W CHIP 820 0.5% 1/10W CHIP 3.6K 0.5% 1/10W CHIP 10K 5% 1/10W CHIP 10K 5% 1/10W
R325 R326 R327 R328 R329	1-208-775-11 s METAL, CHIP 510 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R426 1-2 R427 1-2 R428 1-2	-208-806-11 -216-065-00 -216-025-91	s METAL, s METAL, s METAL,	CHIP 100 5% 1/10W CHIP 10k 0.5% 1/10W CHIP 4.7K 5% 1/10W CHIP 100 5% 1/10W CHIP 2.2K 5% 1/10W
R330 R331 R332 R333 R334	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R441 1-3 R442 1-3 R443 1-3	-216-667-11 -216-057-00 -216-113-00	s METAL, s METAL, s METAL,	CHIP 4.7K 0.5% 1/10W CHIP 4.7K 0.5% 1/10W CHIP 2.2K 5% 1/10W CHIP 470K 5% 1/10W CHIP 5.6k 0.5% 1/10W
R335 R336 R337 R338 R339	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R447 1-3 R448 1-3 R449 1-3	-208-812-11 -216-651-11 -216-025-91	s METAL, s METAL, s METAL,	CHIP 33K 0.5% 1/10W CHIP 18k 0.5% 1/10W CHIP 1K 0.5% 1/10W CHIP 100 5% 1/10W CHIP 330 0.5% 1/10W
R340 R341 R342 R343 R344	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R452 1-2 R453 1-2 R454 1-2	-208-800-11 -216-689-11 -216-121-91	l s METAL, l s METAL, l s METAL,	CHIP 3.9K 0.5% 1/10W CHIP 5.6k 0.5% 1/10W CHIP 39K 0.5% 1/10W CHIP 1M 5% 1/10W CHIP 27K 0.5% 1/10W
R345 R346 R347 R348 R349	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	R457 1-3 R458 1-3 R459 1-3	-216-025-91 -216-041-00 -216-638-11	l s METAL, ) s METAL, l s METAL,	CHIP 10K 5% 1/10W CHIP 100 5% 1/10W CHIP 470 5% 1/10W CHIP 300 0.5% 1/10W CHIP 1k 5% 1/10W
R350 R351 R352 R353 R354	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R462 1-3 R463 1-3 R464 1-3	-216-037-00 -216-057-00 -216-089-91	) s METAL, ) s METAL, l s METAL,	CHIP 51 0.5% 1/10W CHIP 330 5% 1/10W CHIP 2.2K 5% 1/10W CHIP 47k 5% 1/10W CHIP 22K 5% 1/10W
R355 R356 R357 R358 R359	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R503 1-2 R504 1-2 R505 1-2	-216-049-91 -216-049-91 -216-049-91	l s METAL, l s METAL, l s METAL,	CHIP 1k 5% 1/10W CHIP 1k 5% 1/10W CHIP 1k 5% 1/10W CHIP 1k 5% 1/10W CHIP 2.2K 5% 1/10W
R401 R402 R403 R404 R405	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R508 1-2 R509 1-2 R510 1-2	-216-121-91 -216-049-91 -216-049-91	s METAL, s METAL, s METAL,	CHIP 1k 5% 1/10W CHIP 1M 5% 1/10W CHIP 1k 5% 1/10W CHIP 1k 5% 1/10W CHIP 220 5% 1/10W
R406 R407 R408 R409 R410	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R513 1-2 R514 1-2 R515 1-2	216-045-00 216-065-00 216-077-00	) s METAL, ) s METAL, ) s METAL,	CHIP 4.7K 5% 1/10W CHIP 680 5% 1/10W CHIP 4.7K 5% 1/10W CHIP 15K 5% 1/10W CHIP 1k 5% 1/10W
R411 R412 R413 R414	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-055-00 s METAL, CHIP 1.8K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W	R518 1-2 R519 1-2	·216-049-91 ·216-073-00	s METAL,	CHIP 220 5% 1/10W CHIP 1k 5% 1/10W CHIP 10K 5% 1/10W CHIP 1k 5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R521	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R607	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R522	1-216-027-00 s METAL, CHIP 120 5% 1/10W	R608	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R523	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R609	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R524	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R610	1-216-033-00 s METAL, CHIP 220 5% 1/10W
R525	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R611	1-216-033-00 s METAL, CHIP 220 5% 1/10W
R526	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R612	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-045-00 s METAL, CHIP 680 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W 1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R527	1-216-647-11 s METAL, CHIP 680 0.5% 1/10W	R613	
R528	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R614	
R529	1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W	R615	
R530	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R616	
R531	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R617	1-216-017-91 s METAL, CHIP 47 5% 1/10W
R532	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R618	1-216-017-91 s METAL, CHIP 47 5% 1/10W
R533	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R619	1-216-027-00 s METAL, CHIP 120 5% 1/10W
R534	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R620	1-216-027-00 s METAL, CHIP 120 5% 1/10W
R535	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R621	1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W
R536	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R622	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R537	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R623	
R538	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R626	
R539	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R627	
R540	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R628	
R541	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R629	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R542		R630	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R543		R631	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R544		R632	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R545		R633	1-216-295-91 s RES, CHIP 0
R546	1-216-113-00 s METAL, CHIP 470K 5% 1/10W 1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R634	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R547		R635	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R548		R636	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R549		R637	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R550		R638	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R551 R552 R553 R554 R555	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R639 R640 R641 R642 R643	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R556	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R644	1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R557	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R645	
R558	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R646	
R559	1-216-053-00 s METAL, CHIP 1.5K 5% 1/10W	R647	
R560	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R648	
R561	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R649	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R562	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R650	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R563	1-216-017-91 s METAL, CHIP 47 5% 1/10W	R651	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R564	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R652	1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W
R565	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R653	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R566	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R654	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-047-91 s METAL, CHIP 820 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R567	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R655	
R568-572	1-216-624-11 s METAL, CHIP 75 0.5% 1/10W	R656	
R573	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R657	
R574	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R658	
R575	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R659	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R576	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R660	1-216-041-00 s METAL, CHIP 470 5% 1/10W
R600	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R661	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R601	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R662	1-216-037-00 s METAL, CHIP 330 5% 1/10W
R602	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R663	1-216-077-00 s METAL, CHIP 15K 5% 1/10W
R603	1-216-089-91 s METAL, CHIP 47k 5% 1/10W	R664	1-216-079-00 s METAL, CHIP 18K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R604	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R665	
R605	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R666	
R606	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R667	

Ref. No.

or Q'ty Part No. SP Description

1pc 1-648-916-11 o PRINTED CIRCUIT BOARD, VR-155

CN402 1-564-005-11 o CONNECTOR 6P, MALE

1-237-790-21 s RES, VAR CARBON 10K RV1 RV2 1-237-790-21 s RES, VAR CARBON 10K

R724

R725

R726

R727

R728

R729

R730 R731

1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W

1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W

1-216-624-11 s METAL, CHIP 75 0.5% 1/10W

1-216-624-11 s METAL, CHIP 75 0.5% 1/10W 1-216-624-11 s METAL, CHIP 75 0.5% 1/10W

1-216-624-11 s METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
VRA-5 board is used for UVW-1800(J,UC).  1pc	C207 1-126-933-11 s ELECT 100uF 20% 16V C208 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C209 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C210 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C211 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
lpc 8-752-036-77 s IC CXA1179N lpc 3-179-084-01 s LEVER (R), PC BOARD lpc 3-179-085-01 s LEVER (L), PC BOARD C101,102 1-126-933-11 s ELECT 100uF 20% 16V	C217 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C218 1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V C219 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C220 1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V C221 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C103, 104 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C105 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V C106, 107 1-126-925-11 s ELECT 470uF 20% 10V C108 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C222 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C223 1-126-925-11 s ELECT 470uF 20% 10V C224 1-126-925-11 s ELECT 470uF 20% 10V C225-234 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C109	C238 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V  C239 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V  C240 1-126-933-11 s ELECT 100uF 20% 16V  C241-251 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V  C252 1-126-933-11 s ELECT 100uF 20% 16V
C116 1-126-933-11 s ELECT 100uF 20% 16V C117 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C118 1-163-033-91 s CERAMIC CHIP 0.022uF 50V	C259 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C260 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C261 1-126-933-11 s ELECT 100uF 20% 16V
C119 1-126-933-11 s ELECT 100uF 20% 16V C121 1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V C122 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C123 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C124 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C262 1-126-933-11 s ELECT 100uF 20% 16V C263 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C264 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C265 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C267 1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V
C125 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C126 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C127 1-126-933-11 s ELECT 100uF 20% 16V C128 1-131-381-00 s TANTALUM 47uF 10% 10V C129 1-131-381-00 s TANTALUM 47uF 10% 10V	C268 1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V C269 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V C270 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V C271 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C301 1-126-933-11 s ELECT 100uF 20% 16V
C130	C302
C135 1-131-353-00 s TANTALUM 10uF 10% 35V C136 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C137 1-126-933-11 s ELECT 100uF 20% 16V C138 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C140 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	C307 1-163-249-11 s CERAMIC, CHIP 82pF 5% 50V C308 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C310 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V C311 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C311 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V C311 1-137-240 - TANYALIM 10-F 10W 25V C312 1-137-240 - TANYA
C141 1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V C142 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C143 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C144 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V C145 1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C312 1-131-353-00 s TANTALUM 10uF 10% 35V C313 1-164-004-11 s CERAMIC, CHIP 0. 1uF 10% 25V  C314 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V C316 1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V C317 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V C318 1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V
C146	C318
C202 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V C203 1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V C204 1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V C205 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V C206 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C323

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C329	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C388	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C330	1-126-933-11 s ELECT 100uF 20% 16V	C389	1-126-933-11 s ELECT 100uF 20% 16V
C331	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V	C390	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C332	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V	C391	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C333	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C392	1-163-089-00 s CERAMIC, CHIP 6PF 50V
C334	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C393	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V
C335	1-126-933-11 s ELECT 100uF 20% 16V	C394	1-163-113-00 s CERAMIC, CHIP 68PF 5% 50V
C336	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C395	1-126-933-11 s ELECT 100uF 20% 16V
C337	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C396	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V
C338	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C397	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C339	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C398	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V
C340	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C399	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V
C341	1-126-933-11 s ELECT 100uF 20% 16V	C501	1-126-933-11 s ELECT 100uF 20% 16V
C342	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C502	1-126-933-11 s ELECT 100uF 20% 16V
C343	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C503	1-126-933-11 s ELECT 100uF 20% 16V
C344	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C504	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C345	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C505	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C346	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C506	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V
C347	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C507	1-163-257-11 s CERAMIC, CHIP 180PF 5% 50V
C348	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C508	1-126-933-11 s ELECT 100uF 20% 16V
C349	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	C509	1-126-933-11 s ELECT 100uF 20% 16V
C350	1-126-933-11 s ELECT 100uF 20% 16V	C510	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C351	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C511	1-104-923-11 s MICA, CHIP 180pF 0.25% 50V
C352	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C513	1-163-091-00 s CERAMIC, CHIP 8PF 50V
C353	1-126-933-11 s ELECT 100uF 20% 16V	C514	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C354	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C515	1-163-091-00 s CERAMIC, CHIP 8PF 50V
C355	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C516	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C356	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	C517	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C357	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C518	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C358	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C519	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C359	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C520	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C360	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C521	1-131-353-00 s TANTALUM 10uF 10% 35V
C361	1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V	C522	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V
C362	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C523	1-126-933-11 s ELECT 100uF 20% 16V
C363	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V	C524	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C364	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C525	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C365	1-126-933-11 s ELECT 100uF 20% 16V	C526	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C366	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C527	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C367	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C528	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C368	1-126-933-11 s ELECT 100uF 20% 16V	C529	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C369	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C530	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V
C370	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V	C531	1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V
C371	1-126-933-11 s ELECT 100uF 20% 16V	C603	1-126-933-11 s ELECT 100uF 20% 16V
C372	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C604	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C373	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C605	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C374	1-163-033-91 s CERAMIC, CHIP 0. 022uF 50V	C606	1-163-099-00 s CERAMIC, CHIP 18PF 5% 50V
C375	1-163-220-11 s CERAMIC, CHIP 3PF 50V	C607	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V
C376	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C608	1-126-933-11 s ELECT 100uF 20% 16V
C377	1-126-933-11 s ELECT 100uF 20% 16V	C609	1-126-933-11 s ELECT 100uF 20% 16V
C378	1-126-933-11 s ELECT 100uF 20% 16V	C610	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C379	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C611	1-104-923-11 s MICA, CHIP 180pF 0.25% 50V
C380	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C613	1-163-091-00 s CERAMIC, CHIP 8PF 50V
C381	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C614	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C382	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C615	1-163-091-00 s CERAMIC, CHIP 8PF 50V
C383	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C616	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C384	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C617	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C385	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	C618	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C386	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C619	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C387	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C620	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C621	1-131-353-00 s TANTALUM 10uF 10% 35V	FL101	1-239-769-11 s FILTER, LOW-PASS 5MHz
C622	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	FL102	1-239-313-11 s FILTER, LOW-PASS 2MHz
C623	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	FL103	1-239-313-11 s FILTER, LOW-PASS 2MHz
C624	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	FL201	1-239-769-11 s FILTER, LOW-PASS 5MHz
C625	1-126-933-11 s ELECT 100uF 20% 16V	FL202	1-239-801-11 s FILTER, LOW-PASS 4MHz
C626	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC101	8-759-300-71 s IC HD14053BFP
C627	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC102	8-759-300-71 s IC HD14053BFP
C628	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC103	8-759-908-92 s IC TL084CNS
C631	1-126-933-11 s ELECT 100uF 20% 16V	IC104	8-759-925-76 s IC SN74HC08ANS
C632	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC201	8-759-925-90 s IC SN74HC74ANS
C801	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	IC202	8-759-300-71 s IC HD14053BFP
C802	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	IC203	8-759-927-46 s IC SN74HC00ANS
C803	1-126-933-11 s ELECT 100uF 20% 16V	IC205	8-759-085-99 s IC MB40568PF-G-BND
C804	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	IC206	8-759-085-99 s IC MB40568PF-G-BND
C805	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	IC207	8-759-035-93 s IC TC7S32F-TE85L
C806	1-131-347-00 s TANTALUM 1uF 10% 35V	IC208	8-759-147-02 s IC UPD42101C-3
C807	1-131-347-00 s TANTALUM 1uF 10% 35V	IC209	8-759-147-02 s IC UPD42101C-3
C808	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V	IC210	8-759-513-76 s IC CXD8161AQ
C809	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC211	8-759-031-84 s IC TC7S04F
C810	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	IC212	8-752-329-28 s IC CXD1151Q
C811	1-131-347-00 s TANTALUM 1uF 10% 35V	IC213	8-752-363-43 s IC CXD1171M-1-TH
C812	1-131-353-00 s TANTALUM 10uF 10% 35V	IC214	8-752-363-43 s IC CXD1171M-1-TH
C813	1-126-933-11 s ELECT 100uF 20% 16V	IC215	8-759-300-71 s IC HD14053BFP
C814	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC216	8-759-907-81 s IC SN74LS221NS
C815	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC217	8-759-008-31 s IC MC74HC4002F
C816	1-131-347-00 s TANTALUM 1uF 10% 35V	IC218	8-759-925-85 s IC SN74HC32ANS
C901	1-126-933-11 s ELECT 100uF 20% 16V	IC219	8-759-234-20 s IC TC7S08F
C902	1-126-933-11 s ELECT 100uF 20% 16V	IC220	8-759-300-71 s IC HD14053BFP
C903	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC301	8-759-008-67 s IC MC14066BF
C904	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC302	8-752-339-04 s IC CXD2208Q
C905	1-126-933-11 s ELECT 100uF 20% 16V	IC303	8-759-908-92 s IC TL084CNS
C906	1-126-933-11 s ELECT 100uF 20% 16V	IC304	8-759-906-53 s IC TL062CPS
C907	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC305	8-759-031-84 s IC TC7S04F
C908	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC306	8-759-908-92 s IC TL084CNS
C909	1-126-933-11 s ELECT 100uF 20% 16V	IC307	8-759-031-84 s IC TC7S04F
C910	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC308	8-759-906-53 s IC TL062CPS
C911	1-126-933-11 s ELECT 100uF 20% 16V	IC309	8-759-300-71 s IC HD14053BFP
C912	1-126-933-11 s ELECT 100uF 20% 16V	IC310	8-759-520-55 s IC CXD8243AM
C913	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC311	8-759-008-67 s IC MC14066BF
C914	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC312	8-759-907-81 s IC SN74LS221NS
C915 C916 C917 C918	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC313 IC314 IC315 IC316 IC317	8-759-239-58 s IC TC74HC221AF 8-759-009-06 s IC MC14052BF 8-759-908-15 s IC TL431CLP 8-759-908-15 s IC TL431CLP 8-759-031-84 s IC TC7S04F
CN101 CN102	1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-573-782-21 o CONNECTOR, PHEC 60P, MALE	IC501	1-810-334-11 s HIC BP-023
CV301	1-141-442-91 s CAP, TRIMMER 20pF	IC502 IC601 IC602	8-759-908-15 s IC TL431CLP 1-810-334-11 s HIC BP-023 8-759-908-15 s IC TL431CLP
D101, 102 D109 D202 D301 D303	8 8-719-941-23 s DIODE DA204U 8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE 1SS303-T1 8-719-041-39 s DIODE KV1470 8-719-821-39 s DIODE 1SV160	IC802 IC901 IC901 IC902 IC903	8-752-064-20 s IC CXA1727Q 8-752-356-06 s IC CXD2122AQ 8-759-182-84 s IC PQ05SZ5U 8-759-822-95 s IC L79M05T-FA
D305	8-713-300-88 s DIODE 1T33C-01	IC904	8-759-182-84 s IC PQ05SZ5U
D306	8-719-941-23 s DIODE DA204U		8-759-172-41 s IC L78M09T-TL
D801 FB201	8-719-941-23 s DIODE DA204U 1-543-309-21 s BEAD, FERRITE	L101-105 L107 L201 L202	5 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-408-413-00 s INDUCTOR 22uH 1-408-413-00 s INDUCTOR 22uH

Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
L203	Q202       8-729-905-12 s       TRANSISTOR DTA144EU         Q203       8-729-905-18 s       TRANSISTOR DTC144EU         Q204       8-729-140-63 s       TRANSISTOR 2SA1611-M5M6         Q207       8-729-117-32 s       TRANSISTOR 2SC4177         Q209       8-729-140-63 s       TRANSISTOR 2SA1611-M5M6
L208 1-410-482-31 s INDUCTOR 100uH L301 1-410-482-31 s INDUCTOR 100uH L302 1-410-464-11 s INDUCTOR 3.3uH L303 1-410-478-11 s INDUCTOR 47uH L304 1-410-476-11 s INDUCTOR 33uH	Q210 8-729-117-32 s TRANSISTOR 2SC4177 Q211 8-729-117-32 s TRANSISTOR 2SC4177 Q212 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q213 8-729-117-32 s TRANSISTOR 2SC4177 Q301 8-729-117-32 s TRANSISTOR 2SC4177
L305 1-408-406-00 s INDUCTOR 5.6uH L306-314 1-410-482-31 s INDUCTOR 100uH L315 1-410-470-11 s INDUCTOR 10uH L316 1-410-473-11 s INDUCTOR 18uH L317 1-408-416-00 s INDUCTOR 39uH	Q303 8-729-117-32 s TRANSISTOR 2SC4177 Q305 8-729-117-32 s TRANSISTOR 2SC4177 Q306 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q307 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q308 8-729-905-18 s TRANSISTOR DTC144EU
L501 1-410-482-31 s INDUCTOR 100uH L502 1-410-482-31 s INDUCTOR 100uH L503 1-408-419-00 s INDUCTOR 68uH L505 1-410-464-11 s INDUCTOR 3.3uH L506 1-410-482-31 s INDUCTOR 100uH	Q309 8-729-905-18 s TRANSISTOR DTC144EU Q310 8-729-117-32 s TRANSISTOR 2SC4177 Q311 8-729-117-32 s TRANSISTOR 2SC4177 Q312 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q313 8-729-140-63 s TRANSISTOR 2SA1611-M5M6
L507 1-410-478-11 s INDUCTOR 47uH L603 1-408-420-00 s INDUCTOR 82uH L605 1-410-464-11 s INDUCTOR 3.3uH L606 1-410-482-31 s INDUCTOR 100uH L607 1-408-425-00 s INDUCTOR 220uH	Q314 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q315 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q316 8-729-905-18 s TRANSISTOR DTC144EU Q317 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q318 8-729-117-32 s TRANSISTOR 2SC4177
L608 1-410-482-31 s INDUCTOR 100uH L801 1-410-482-31 s INDUCTOR 100uH L901-905 1-412-533-21 s INDUCTOR 47uH	Q319 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q320 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q321 8-729-117-32 s TRANSISTOR 2SC4177 Q322 8-729-143-07 s TRANSISTOR 2SA1610-YY33
LV301 1-406-745-11 s INDUCTOR, VAR 6.8uH	Q323 8-729-143-07 s TRANSISTOR 2SA1610-YY33
Q101 8-729-117-32 s TRANSISTOR 2SC4177 Q102 8-729-117-32 s TRANSISTOR 2SC4177 Q103 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q104 8-729-904-41 s TRANSISTOR FMY3 Q105 8-729-117-32 s TRANSISTOR 2SC4177	Q324 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 Q325 8-729-140-47 s TRANSISTOR 2SC3735-B34 Q508-512 8-729-117-32 s TRANSISTOR 2SC4177 Q513 8-729-117-72 s TRANSISTOR 2SC4178 Q514 8-729-117-72 s TRANSISTOR 2SC4178
Q106 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q107 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q108 8-729-117-32 s TRANSISTOR 2SC4177 Q109 8-729-117-32 s TRANSISTOR 2SC4177 Q110 8-729-117-32 s TRANSISTOR 2SC4177	Q515 8-729-117-32 s TRANSISTOR 2SC4177 Q516 8-729-117-72 s TRANSISTOR 2SC4178 Q517 8-729-117-72 s TRANSISTOR 2SC4178 Q518 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q519 8-729-117-72 s TRANSISTOR 2SC4178
Q111 8-729-117-32 s TRANSISTOR 2SC4177 Q112 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q113 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q114 8-729-117-32 s TRANSISTOR 2SC4177 Q115 8-729-117-32 s TRANSISTOR 2SC4177	Q520       8-729-117-72       s TRANSISTOR 2SC4178         Q601       8-729-117-32       s TRANSISTOR 2SC4177         Q602       8-729-117-32       s TRANSISTOR 2SC4177         Q603       8-729-117-32       s TRANSISTOR 2SC4177         Q604-610       8-729-117-72       s TRANSISTOR 2SC4178
Q116 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 Q117-122 8-729-117-32 s TRANSISTOR 2SC4177 Q123 8-729-422-44 s TRANSISTOR 2SK663 Q124 8-729-422-44 s TRANSISTOR 2SK663 Q125 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	Q801 8-729-117-32 s TRANSISTOR 2SC4177 Q802 8-729-117-32 s TRANSISTOR 2SC4177 Q803 8-729-117-32 s TRANSISTOR 2SC4177 Q804 8-729-140-63 s TRANSISTOR 2SA1611-M5M6
Q126 8-729-117-32 s TRANSISTOR 2SC4177 Q127 8-729-117-32 s TRANSISTOR 2SC4177 Q128 8-729-117-32 s TRANSISTOR 2SC4177 Q129 8-729-117-32 s TRANSISTOR 2SC4177 Q130 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R100 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R101 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R102 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R103 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R104 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
Q131 8-729-117-32 s TRANSISTOR 2SC4177 Q132 8-729-117-32 s TRANSISTOR 2SC4177 Q133 8-729-117-32 s TRANSISTOR 2SC4177 Q201 8-729-117-32 s TRANSISTOR 2SC4177	R105 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R106 1-216-013-00 s METAL, CHIP 33 5% 1/10W R107 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R108 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R109 1-216-025-91 s METAL, CHIP 100 5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R110	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R169	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R111	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R170	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R112	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R171	1-216-037-00 s METAL, CHIP 330 5% 1/10W
R113	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R172	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R114	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R173	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R115	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R174	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-627-11 s METAL, CHIP 100 0.5% 1/10W
R116	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R175	
R117	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R176	
R118	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R177	
R119	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R178	
R120	1-216-641-11 s METAL, CHIP 390 0.5% 1/10W	R179	1-216-295-91 s RES, CHIP 0
R121	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R180	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R122	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R181	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R123	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R182	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R124	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R183	1-216-295-91 s RES, CHIP 0
R125	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R184	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-618-11 s METAL, CHIP 43 0.50% 1/10W
R126	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R185	
R127	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R186	
R128	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R187	
R129	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R188	
R130 R131 R132 R133 R134	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R190 R193 R200 R201 R202	1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R135	1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R203	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R136		R204	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R137		R205	1-216-631-11 s METAL, CHIP 150 0.5% 1/10W
R138		R206	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R139		R207	1-216-631-11 s METAL, CHIP 150 0.5% 1/10W
R140 R141 R142 R143 R144	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R208 R209 R210 R211 R212	1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W 1-216-013-00 s METAL, CHIP 33 5% 1/10W 1-216-009-00 s METAL, CHIP 22 5% 1/10W
R145	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R213	1-216-295-91 s RES, CHIP 0
R146	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R216	1-216-013-00 s METAL, CHIP 33 5% 1/10W
R147	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R217	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R148	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R220	1-218-764-11 s METAL, CHIP 330K 0.5% 1/10W
R149	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R223	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R150	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R224	1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R151	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R225	
R152	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R226	
R153	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R227	
R154	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R228	
R155 R156 R157 R158 R159	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R229 R230 R231 R232 R233	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
R160	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R234	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R161	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R236	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R162	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R238	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R163	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R239	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R164	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R241	1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R165	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R242	1-216-696-11 s METAL, CHIP 75K 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R166	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W	R243	
R167	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R244	
R168	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R245	

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R246	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R336	1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R247	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R338	
R248	1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W	R339	
R249	1-216-081-00 s METAL, CHIP 22K 5% 1/10W	R340	
R250	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R341	
R251 R252 R253 R254 R255	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R342 R343 R344 R345 R346	1-218-760-11 s METAL, CHIP 220K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R256	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R347	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R257	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R348	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R258	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R349	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R259	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R350	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R261	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R351	1-216-085-00 s METAL, CHIP 33K 5% 1/10W
R262	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R352	1-208-801-11 s METAL, CHIP 6.2k 0.5% 1/10W 1-216-634-11 s METAL, CHIP 200 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R263	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R353	
R265	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R354	
R266	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R355	
R268	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R356	
R269	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R357	1-216-121-91 s METAL, CHIP 1M 5% 1/10W
R270	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R358	1-216-117-00 s METAL, CHIP 680K 5% 1/10W
R272-279	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R359	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
R280	1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W	R360	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R301	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R361	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R302 R303 R304 R305 R306	1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R362 R363 R364 R365 R367	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R307	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R368	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W
R308	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R369	
R309	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R370	
R310	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R371	
R311	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R372	
R312 R313 R314 R315 R316	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R375 R376 R377 R378 R379	1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R317	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R380	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W
R318	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R381	
R319	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R382	
R320	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R383	
R321	1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R384	
R322	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R385	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R323	1-216-646-11 s METAL, CHIP 620 0.5% 1/10W	R386	1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
R324	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R387	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R325	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R388	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R326	1-216-041-00 s METAL, CHIP 470 5% 1/10W	R389	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R327	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W	R390	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R328	1-208-800-11 s METAL, CHIP 5.6k 0.5% 1/10W	R391	
R329	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R392	
R330	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R393	
R331	1-208-774-11 s METAL, CHIP 470 0.5% 1/10W	R394	
R332	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R395	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R333	1-216-117-00 s METAL, CHIP 680K 5% 1/10W	R397	1-216-295-91 s RES, CHIP 0
R334	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R399	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R335	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R400	1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W

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(VRA-5 BOARD(UVW-1800))	(VRA-5 BOARD(UVW-1800))
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R401 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W R402 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W R403 1-216-037-00 s METAL, CHIP 330 5% 1/10W R404 1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W R405 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W	R553 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R554 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W R555 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R556 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R557 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W
R406 1-216-041-00 s METAL, CHIP 470 5% 1/10W R407 1-216-133-00 s METAL, CHIP 3.3M 5% 1/10W R408 1-216-295-91 s RES, CHIP 0 R501 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R502 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R558 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R559 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R560 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R561 1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W R562 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R503 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R504 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R505 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R506 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R507 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R563 1-216-025-91 s METAL, CHIP 100 5% 1/10W R564 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R565 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R601 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R602 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R508 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R509 1-216-641-11 s METAL, CHIP 390 0.5% 1/10W R510 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R511 1-216-615-11 s METAL, CHIP 33 0.5% 1/10W R512 1-218-184-11 s METAL, CHIP 997 0.1% 1/16W	R603 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R604 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W R605 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R606 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R607 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W
R514 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R515 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W R516 1-218-922-11 s METAL, CHIP 3.26K 0.1% 1/16W R517 1-216-604-11 s METAL, CHIP 11 0.5% 1/10W R518 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W	R608 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R609 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R610 1-216-627-11 s METAL, CHIP 100 0.5% 1/10W R611 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R612 1-216-611-11 s METAL, CHIP 22 0.5% 1/10W
R519 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R520 1-216-025-91 s METAL, CHIP 100 5% 1/10W R521 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R522 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R523 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	R613 1-218-184-11 s METAL, CHIP 997 0.1% 1/16W R614 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W R615 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R617 1-218-922-11 s METAL, CHIP 3.26K 0.1% 1/16W R618 1-216-603-11 s METAL, CHIP 10 0.5% 1/10W
R524 1-216-295-91 s RES, CHIP 0 R525 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W R526 1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W R527 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R528 1-216-295-91 s RES, CHIP 0	R619 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R620 1-216-025-91 s METAL, CHIP 100 5% 1/10W R621 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R622 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R623 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R529 1-216-295-91 s RES, CHIP 0 R530 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R531 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R532 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R533 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W	R624 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R625 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R626 1-216-295-91 s RES, CHIP 0 R627 1-216-682-11 s METAL, CHIP 20K 0.5% 1/10W R628 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R534 1-216-025-91 s METAL, CHIP 100 5% 1/10W R535 1-216-025-91 s METAL, CHIP 100 5% 1/10W R536 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R537 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W R538 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W	R629 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R630 1-216-295-91 s RES, CHIP 0 R631 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R632 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W R633 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R539 1-216-025-91 s METAL, CHIP 100 5% 1/10W R540 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R541 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W R542 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R543 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R634 1-216-041-00 s METAL, CHIP 470 5% 1/10W R635 1-216-025-91 s METAL, CHIP 100 5% 1/10W R636 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R637 1-216-025-91 s METAL, CHIP 10O 5% 1/10W R638 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R544 1-216-025-91 s METAL, CHIP 100 5% 1/10W R545 1-216-037-00 s METAL, CHIP 330 5% 1/10W R546 1-216-037-00 s METAL, CHIP 330 5% 1/10W R547 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W R548 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R639 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W R640 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R641 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W R642 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R643 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R549 1-216-295-91 s RES, CHIP 0 R550 1-216-013-00 s METAL, CHIP 33 5% 1/10W R551 1-216-013-00 s METAL, CHIP 33 5% 1/10W R552 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R644 1-216-041-00 s METAL, CHIP 470 5% 1/10W R645 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R646 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R647 1-216-049-91 s METAL, CHIP 1k 5% 1/10W

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Ref. No.
                                                                                    Ref. No.
or Q'ty Part No.
                           SP Description
                                                                                    or Q'ty Part No. SP Description
           1\text{--}216\text{--}025\text{--}91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
                                                                                    VRA-5P board is used for UVW-1800P(EK).
R649
           1-216-037-00 s METAL, CHIP 330 5% 1/10W
                                                                                                A-8275-467-A o MOUNTED CIRCUIT BOARD, VRA-5P
R650
                                                                                    1pc
           1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-013-00 s METAL, CHIP 33 5% 1/10W
                                                                                                3-182-386-02 o PLATE, SHIELD (L), CARD 7-621-759-45 s SCREW, +PSW2.6x6
R651
                                                                                    1pc
R652
                                                                                    1pc
                                                                                                8-752-036-77 s IC CXA1179N
                                                                                    1pc
           1-216-013-00 s METAL, CHIP 33 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W
R653
                                                                                                3-179-084-01 s LEVER (R), PC BOARD
R654
R655
                                                                                                3-179-085-01 s LEVER (L), PC BOARD
                                                                                    1pc
           1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R656
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
1-126-933-11 s ELECT 100uF 20% 16V
R657
                                                                                    C101
                                                                                    C102
           1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W
R658
                                                                                    C103
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
R801
                                                                                    C104
           1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R802
                                                                                    C105
           1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R803
R804
                                                                                    C106
                                                                                                1-126-925-11 s ELECT 470uF 20% 10V
1-126-925-11 s ELECT 470uF 20% 10V
                                                                                    C107
R805
           1-216-025-91 s METAL, CHIP 100 5% 1/10W
                                                                                    C108
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
           1-216-639-11 s METAL, CHIP 330 0.5% 1/10W
                                                                                                1-126-925-11 s ELECT 470uF 20% 10V
R806
                                                                                    C109
           1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R807
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
                                                                                    C110
R808
            1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
R809
                                                                                                1-131-347-00 s TANTALUM 1uF 10% 35V
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
                                                                                    C112
R810
           1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W
                                                                                    C113
           1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R811
                                                                                    C114
           1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R812
                                                                                    C115
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
R813
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
R814
                                                                                    C116
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-126-933-11 s ELECT 100uF 20% 16V
                                                                                    C117
           1\text{--}216\text{--}065\text{--}00 s METAL, CHIP 4.7K 5% 1/10W 1-216-089-91 s METAL, CHIP 47k 5% 1/10W
R815
                                                                                    C118
R816
                                                                                    C119
                                                                                                1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
R817
           1-216-073-00 s METAL, CHIP 10K 5% 1/10W
                                                                                    C121
R818
           1-216-073-00 s METAL, CHIP 10K 5% 1/10W
                                                                                                1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
                                                                                    C122
                                                                                                1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
RV101
           1-241-760-21 s RES, ADJ METAL 470
                                                                                    C123
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
           1-241-760-21 s RES, ADJ METAL 470
RV102
                                                                                    C124
RV103
            1-241-762-11 s RES, ADJ METAL 2.2k
                                                                                    C125
            1-241-760-21 s RES, ADJ METAL 470
RV104
                                                                                    C126
            1-241-759-21 s RES, ADJ METAL 220
RV105
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
                                                                                    C127
                                                                                                1-131-381-00 s TANTALUM 47uF 10% 10V
                                                                                    C128
RV201
            1-241-784-11 s RES, ADJ METAL 4.7k
                                                                                                1-131-381-00 s TANTALUM 47uF 10% 10V
RV202
            1-241-785-11 s RES, ADJ METAL 10k
                                                                                    C129
                                                                                                1-131-353-00 s TANTALUM 10uF 10% 35V
RV203
            1-241-785-11 s RES, ADJ METAL 10k
                                                                                    C130
                                                                                                1-131-381-00 s TANTALUM 47uF 10% 10V
            1-241-762-11 s RES, ADJ METAL 2.2k
RV301
                                                                                    C131
            1-241-785-11 s RES, ADJ METAL 10k
RV302
                                                                                                1-131-381-00 s TANTALUM 47uF 10% 10V
                                                                                    C132
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
RV303
            1-241-784-11 s RES, ADJ METAL 4.7k
                                                                                    C133
            1-241-784-11 s RES, ADJ METAL 4.7k
RV304
                                                                                    C134
                                                                                                1-131-353-00 s TANTALUM 10uF 10% 35V
RV305
            1-241-784-11 s RES, ADJ METAL 4.7k
                                                                                    C135
            1-241-762-11 s RES, ADJ METAL 2.2k
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
RV306
                                                                                    C136
            1-241-761-11 s RES, ADJ METAL 1k
RV501
                                                                                     C137
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
                                                                                                1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
            RV502
                                                                                    C138
RV503
                                                                                    C140
                                                                                                1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
RV602
            1-241-763-11 s RES, ADJ METAL 4.7k
                                                                                    C141
            1-241-763-11 s RES, ADJ METAL 4.7k
RV603
                                                                                    C142
S201
           1-571-275-31 s SWITCH, SLIDE
                                                                                    C143
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
                                                                                    C144
TH201
            1-807-972-11 s THERMISTOR SV-1715 1.25k
                                                                                    C145
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
                                                                                    C146
                                                                                                 1-126-933-11 s ELECT 100uF 20% 16V
X301
            1-527-722-00 s CRYSTAL 14.31818MHz
                                                                                    C147
X302
            1-760-109-21 s CRYSTAL 10.738635MHz
                                                                                                1-126-933-11 s ELECT 100uF 20% 16V
                                                                                     C148
                                                                                                1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
                                                                                     C200
                                                                                                1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V
1-163-099-00 s CERAMIC, CHIP 18PF 5% 50V
1-163-237-11 s CERAMIC, CHIP 27PF 5% 50V
                                                                                     C202
                                                                                     C203
                                                                                     C204
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Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C205	1-163-253-11 s CERAMIC, CHIP 120PF 5% 50V	C327	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C206	1-163-253-11 s CERAMIC, CHIP 120PF 5% 50V	C328	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C207	1-126-933-11 s ELECT 100uF 20% 16V	C329	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C208	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C330	1-126-933-11 s ELECT 100uF 20% 16V
C209	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C331	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V
C210	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C332	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V
C211	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C333	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C217	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C334	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C218	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V	C335	1-126-933-11 s ELECT 100uF 20% 16V
C219	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C336	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C220	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	C337	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C221	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C338	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V
C222	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C339	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C223	1-126-925-11 s ELECT 470uF 20% 10V	C340	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C224	1-126-925-11 s ELECT 470uF 20% 10V	C341	1-126-933-11 s ELECT 100uF 20% 16V
C238 C239 C240	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C342 C343 C344 C345 C346	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C252	1-126-933-11 s ELECT 100uF 20% 16V	C347	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C253-258	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C348	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V
C259	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C349	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V
C260	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C350	1-126-933-11 s ELECT 100uF 20% 16V
C261	1-126-933-11 s ELECT 100uF 20% 16V	C351	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C262	1-126-933-11 s ELECT 100uF 20% 16V	C352	1-163-133-00 s CERAMIC, CHIP 470PF 5% 50V
C263	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C353	1-126-933-11 s ELECT 100uF 20% 16V
C264	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C354	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V
C265	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C355	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C267	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	C356	1-163-089-00 s CERAMIC, CHIP 6PF 50V
C268	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V	C357	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C269	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C358	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C270	1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V	C359	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C271	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C360	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C301	1-126-933-11 s ELECT 100uF 20% 16V	C361	1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V
C302	1-126-933-11 s ELECT 100uF 20% 16V	C362	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C303	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C363	1-163-231-11 s CERAMIC, CHIP 15pF 5% 50V
C304	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C364	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C305	1-126-933-11 s ELECT 100uF 20% 16V	C365	1-126-933-11 s ELECT 100uF 20% 16V
C306	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C366	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V
C307	1-163-249-11 s CERAMIC, CHIP 82pF 5% 50V	C367	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C308	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C368	1-126-933-11 s ELECT 100uF 20% 16V
C309	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C369	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C310	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C370	1-163-017-00 s CERAMIC, CHIP 0.0047uF 5% 50V
C311	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C371	1-126-933-11 s ELECT 100uF 20% 16V
C312	1-131-353-00 s TANTALUM 10uF 10% 35V	C372	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C313	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C373	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C314	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C374	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C316	1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V	C375	1-163-220-11 s CERAMIC, CHIP 3PF 50V
C317	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C376	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V
C318	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C377	1-126-933-11 s ELECT 100uF 20% 16V
C319	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C378	1-126-933-11 s ELECT 100uF 20% 16V
C320	1-126-933-11 s ELECT 100uF 20% 16V	C379	1-163-131-00 s CERAMIC, CHIP 390PF 5% 50V
C321	1-126-933-11 s ELECT 100uF 20% 16V	C380	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C322	1-126-933-11 s ELECT 100uF 20% 16V	C381	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C323	1-163-239-11 s CERAMIC, CHIP 33PF 5% 50V	C382	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C324	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C383	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V
C325	1-163-121-00 s CERAMIC, CHIP 150PF 5% 50V	C384	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C326	1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V	C385	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
C386	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C619	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C387	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C620	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C388	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C621	1-131-353-00 s TANTALUM 10uF 10% 35V
C389	1-126-933-11 s ELECT 100uF 20% 16V	C622	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V
C390	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C623	1-163-139-00 s CERAMIC, CHIP 820PF 5% 50V
C391	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C624	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C392	1-163-089-00 s CERAMIC, CHIP 6PF 50V	C625	1-126-933-11 s ELECT 100uF 20% 16V
C393	1-163-099-00 s CERAMIC, CHIP 18PF 5% 50V	C626	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C394	1-163-241-11 s CERAMIC, CHIP 39PF 5% 50V	C627	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C395	1-126-933-11 s ELECT 100uF 20% 16V	C628	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C396	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	C631	1-126-933-11 s ELECT 100uF 20% 16V
C397	1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V	C632	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C398	1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 100V	C803	1-126-933-11 s ELECT 100uF 20% 16V
C399	1-163-263-11 s CERAMIC, CHIP 330PF 5% 50V	C809	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C501	1-126-933-11 s ELECT 100uF 20% 16V	C901	1-126-933-11 s ELECT 100uF 20% 16V
C502	1-126-933-11 s ELECT 100uF 20% 16V	C902	1-126-933-11 s ELECT 100uF 20% 16V
C503	1-126-933-11 s ELECT 100uF 20% 16V	C903	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C504	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C904	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C505	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C905	1-126-933-11 s ELECT 100uF 20% 16V
C506	1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	C906	1-126-933-11 s ELECT 100uF 20% 16V
C507	1-163-257-11 s CERAMIC, CHIP 180PF 5% 50V	C907	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C508	1-126-933-11 s ELECT 100uF 20% 16V	C908	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C509	1-126-933-11 s ELECT 100uF 20% 16V	C909	1-126-933-11 s ELECT 100uF 20% 16V
C510	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C910	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C511	1-104-923-11 s MICA, CHIP 180pF 0.25% 50V	C911	1-126-933-11 s ELECT 100uF 20% 16V
C513	1-163-091-00 s CERAMIC, CHIP 8PF 50V	C912	1-126-933-11 s ELECT 100uF 20% 16V
C514	1-163-235-11 s CERAMIC, CHIP 22PF 5% 50V	C913	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C515	1-163-091-00 s CERAMIC, CHIP 8PF 50V	C914	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C516	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V	C915	1-126-933-11 s ELECT 100uF 20% 16V
C517	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	C916	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V
C518 C519 C520 C521 C522	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-131-353-00 s TANTALUM 10uF 10% 35V 1-163-102-00 s CERAMIC, CHIP 24PF 5% 50V	C917 C918 CN101 CN102	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-573-782-21 o CONNECTOR, PHEC 60P, MALE 1-573-782-21 o CONNECTOR, PHEC 60P, MALE
C523 C524 C525 C526 C527 C528 C529	1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-164-004-11 s CERAMIC, CHIP 0.1uF 10% 25V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	D101 D102 D109 D202 D301	1-141-442-91 s CAP, TRIMMER 20pF 8-719-941-23 s DIODE DA204U 8-719-941-23 s DIODE DA204U 8-719-123-82 s DIODE 1SS303-T1 8-719-123-82 s DIODE ISS303-T1 8-719-041-39 s DIODE KV1470
C530 C531 C603	1-163-275-11 s CERAMIC, CHIP 0.001uF 5% 50V 1-164-161-11 s CERAMIC, CHIP 0.0022uF 10% 100V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	D302 D303 D305 D306 D307	8-719-941-23 s DIODE DA204U 8-719-821-39 s DIODE ISV160 8-713-300-88 s DIODE 1T33C-01 8-719-941-23 s DIODE DA204U 8-719-911-19 s DIODE ISS119
C605 C606 C607 C608	1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-163-099-00 s CERAMIC, CHIP 18PF 5% 50V 1-163-125-00 s CERAMIC, CHIP 220PF 5% 50V 1-126-933-11 s ELECT 100uF 20% 16V	FB201 FL101	1-543-309-21 s BEAD, FERRITE 1-239-769-11 s FILTER, LOW-PASS 5MHz
C609 C610 C611 C613	1-126-933-11 s ELECT 100uF 20% 16V 1-126-933-11 s ELECT 100uF 20% 16V 1-163-033-91 s CERAMIC, CHIP 0.022uF 50V 1-104-923-11 s MICA, CHIP 180pF 0.25% 50V 1-163-091-00 s CERAMIC, CHIP 8PF 50V	FL101 FL102 FL103 FL201 FL202	1-239-313-11 s FILTER, LOW-PASS 2MHz 1-239-313-11 s FILTER, LOW-PASS 2MHz 1-239-769-11 s FILTER, LOW-PASS 5MHz 1-239-801-11 s FILTER, LOW-PASS 4MHz
C614	1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V  1-163-091-00 s CERAMIC, CHIP 8PF 50V  1-163-227-11 s CERAMIC, CHIP 10PF 5% 50V  1-163-033-91 s CERAMIC, CHIP 0.022uF 50V  1-163-033-91 s CERAMIC, CHIP 0.022uF 50V	IC101	8-759-300-71 s IC HD14053BFP
C615		IC102	8-759-300-71 s IC HD14053BFP
C616		IC103	8-759-908-92 s IC TL084CNS
C617		IC104	8-759-925-76 s IC SN74HC08ANS
C618		IC201	8-759-925-90 s IC SN74HC74ANS

L306-314 1-410-482-31 s INDUCTOR 100uH

1-410-470-11 s INDUCTOR 10uH

8-729-140-63 s TRANSISTOR 2SA1611-M5M6

8-729-140-63 s TRANSISTOR 2SA1611-M5M6

Q306

Q307

Ref. No. or Q'ty	Part No. SP Description	Ref. No or Q'ty	Part No. SP Description
Q308 Q309 Q310 Q311 Q312	8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R127 R128 R129 R130 R131	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q313 Q314 Q315 Q316 Q317	8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-905-18 s TRANSISTOR DTC144EU 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R132 R133 R134 R135 R136	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
Q318 Q319 Q320 Q321 Q322	8-729-117-32 s TRANSISTOR 2SC4177 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-140-63 s TRANSISTOR 2SA1611-M5M6 8-729-117-32 s TRANSISTOR 2SC4177 8-729-143-07 s TRANSISTOR 2SA1610-YY33	R137 R138 R139 R140 R141	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
Q323 Q324 Q325 Q508–512 Q513	8-729-143-07 s TRANSISTOR 2SA1610-YY33 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 8-729-140-47 s TRANSISTOR 2SC3735-B34 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-72 s TRANSISTOR 2SC4178	R142 R143 R144 R145 R146	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
Q514 Q515 Q516 Q517 Q518	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-140-63 s TRANSISTOR 2SA1611-M5M6	R147 R148 R149 R150 R151	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-081-00 s METAL, CHIP 22K 5% 1/10W
Q519 Q520 Q601 Q602 Q603	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177 8-729-117-32 s TRANSISTOR 2SC4177	R152 R153 R154 R155 R156	1-216-121-91 s METAL, CHIP 1M 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
Q604-610	8-729-117-72 s TRANSISTOR 2SC4178	R157	1-216-081-00 s METAL, CHIP 22K 5% 1/10W
R100 R101 R102 R103	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R158 R159 R160 R161	1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R104	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R162 R163	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R105 R106	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-013-00 s METAL, CHIP 33 5% 1/10W	R164 R165	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10\\ 1-216-651-11 s METAL, CHIP 1K 0.5\% 1/10\\
R107 R108	1-216-097-91 s METAL, CHIP 100k 5% 1/10W 1-216-097-91 s METAL, CHIP 100k 5% 1/10W	R166	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R109	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R167 R168	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R110	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R169	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R111 R112	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R170 R171	1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W
R113 R114	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R172	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10\
KIIT	1-210-031-11 S mLIAL, OHH IN 0.00 1/100	R173	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R115	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R174	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R116 R117	1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R175 R176	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R118 R119	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R177	1-216-025-91 s METAL. CHIP 100 5% 1/10W
		R178	1-216-627-11 s METAL, CHIP 100 0.5% 1/10W
R120 R121	1-216-641-11 s METAL, CHIP 390 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W	R179 R180	1-216-295-91 s RES, CHIP 0 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10\
R122	1-216-037-00 s METAL, CHIP 330 5% 1/10W	R181	1-216-031-11 S METAL, CHIP 1R 0.3% 1/10W
R123 R124	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R182	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
		R183	1-216-295-91 s RES, CHIP 0
R125 R126	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	R184 R185	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W

(*Idi-01 DOARD (0*#-10001/)	(*IA-31 BOARD(0*#-18001/)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R186 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R187 1-216-295-91 s RES, CHIP 0 R188 1-216-618-11 s METAL, CHIP 43 0.50% 1/10W R189 1-216-025-91 s METAL, CHIP 100 5% 1/10W R190 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W	R263-268 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R270-279 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R280 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W R301 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R302 1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W
R193 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R200 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R201 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W R202 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R203 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R303
R204 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R205 1-216-631-11 s METAL, CHIP 150 0.5% 1/10W R206 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W R207 1-216-631-11 s METAL, CHIP 150 0.5% 1/10W R208 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W	R308 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R309 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R310 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R311 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R312 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R209 1-216-619-11 s METAL, CHIP 47 0.5% 1/10W R210 1-216-009-00 s METAL, CHIP 22 5% 1/10W R211 1-216-013-00 s METAL, CHIP 33 5% 1/10W R212 1-216-009-00 s METAL, CHIP 22 5% 1/10W R213 1-216-295-91 s RES, CHIP 0	R313 1-216-025-91 s METAL, CHIP 100 5% 1/10W R314 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R315 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R316 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R317 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R216 1-216-013-00 s METAL, CHIP 33 5% 1/10W R217 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R220 1-218-764-11 s METAL, CHIP 330K 0.5% 1/10W R223 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W R225 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W	R318 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R319 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R320 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R321 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R322 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R226 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R227 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R228 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W R229 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R230 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W	R323 1-216-646-11 s METAL, CHIP 620 0.5% 1/10W R324 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R325 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R326 1-216-041-00 s METAL, CHIP 470 5% 1/10W R327 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W
R231 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R232 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R233 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W R234 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R236 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R328 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R329 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R330 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R331 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W R332 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R238 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R239 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R240 1-216-295-91 s RES, CHIP 0 R241 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R242 1-216-696-11 s METAL, CHIP 75K 0.5% 1/10W	R333
R243 1-216-041-00 s METAL, CHIP 470 5% 1/10W R244 1-216-041-00 s METAL, CHIP 470 5% 1/10W R245 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R246 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R247 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R338 1-216-089-91 s METAL, CHIP 47k 5% 1/10W R339 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R340 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R341 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W R342 1-216-695-11 s METAL, CHIP 68K 0.5% 1/10W
R248 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W R249 1-216-081-00 s METAL, CHIP 22K 5% 1/10W R250 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R251 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R252 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R343 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W R344 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R345 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R346 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R347 1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R253 1-216-097-91 s METAL, CHIP 100k 5% 1/10W R254 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R255 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W R256 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R257 1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R348 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W R349 1-216-049-91 s METAL, CHIP 1k 5% 1/10W R350 1-216-025-91 s METAL, CHIP 100 5% 1/10W R351 1-216-085-00 s METAL, CHIP 33K 5% 1/10W R352 1-208-801-11 s METAL, CHIP 6.2k 0.5% 1/10W
R258 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R259 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R260 1-216-073-00 s METAL, CHIP 10K 5% 1/10W R261 1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R353

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
R357	1-216-121-91 s METAL, CHIP 1M 5% 1/10W	R510	1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-216-295-91 s RES, CHIP 0 1-218-184-11 s METAL, CHIP 997 0.1% 1/16W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W
R358	1-216-117-00 s METAL, CHIP 680K 5% 1/10W	R511	
R359	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W	R512	
R360	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R513	
R361	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R514	
R362	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R515	1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W 1-218-922-11 s METAL, CHIP 3.26K 0.1% 1/16W 1-216-607-11 s METAL, CHIP 15 0.50% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W
R363	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R516	
R364	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	R517	
R365	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R518	
R367	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R519	
R368	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R520	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R369	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W	R521	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W
R370	1-216-049-91 s METAL, CHIP 1k 5% 1/10W	R522	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R371	1-216-635-11 s METAL, CHIP 220 0.5% 1/10W	R523	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W
R372	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R524	1-216-295-91 s RES, CHIP 0
R373	1-216-295-91 s RES, CHIP 0	R525	1-216-639-11 s METAL, CHIP 330 0.5% 1/10W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W 1-216-295-91 s RES, CHIP 0
R374	1-216-295-91 s RES, CHIP 0	R526	
R375	1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W	R527	
R376	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R528	
R377	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R529	
R378	1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W	R530	1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-208-774-11 s METAL, CHIP 470 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R379	1-216-025-91 s METAL, CHIP 100 5% 1/10W	R531	
R380	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W	R532	
R381	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R533	
R382	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W	R534	
R383 R384 R385 R386 R387	1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-673-11 s METAL, CHIP 8.2K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W	R535 R536 R537 R538 R539	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W 1-216-657-11 s METAL, CHIP 1.8K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R388	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R540	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-659-11 s METAL, CHIP 2.2K 0.5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W
R389	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	R541	
R390	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R542	
R391	1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W	R543	
R392	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R544	
R393 R394 R395 R396 R397	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-295-91 s RES, CHIP 0 1-216-295-91 s RES, CHIP 0	R545 R546 R547 R548 R549	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-208-810-11 s METAL, CHIP 15k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W
R399	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-208-789-11 s METAL, CHIP 2k 0.5% 1/10W 1-208-784-11 s METAL, CHIP 1.2k 0.5% 1/10W 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W	R550	1-216-013-00 s METAL, CHIP 33 5% 1/10W
R400		R551	1-216-013-00 s METAL, CHIP 33 5% 1/10W
R401		R552	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W
R402		R553	1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W
R403		R554	1-208-814-11 s METAL, CHIP 22k 0.5% 1/10W
R404 R405 R406 R407 R408	1-216-671-11 s METAL, CHIP 6.8K 0.5% 1/10W 1-208-817-11 s METAL, CHIP 30k 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W 1-216-133-00 s METAL, CHIP 3.3M 5% 1/10W 1-216-295-91 s RES, CHIP 0	R555 R556 R557 R558 R559	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-666-11 s METAL, CHIP 4.3K 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R501	1-216-085-00 s METAL, CHIP 33K 5% 1/10W	R560	1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R502	1-216-073-00 s METAL, CHIP 10K 5% 1/10W	R561	1-216-665-11 s METAL, CHIP 3.9K 0.5% 1/10W
R503	1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	R562	1-216-049-91 s METAL, CHIP 1k 5% 1/10W
R504	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W	R563	1-216-025-91 s METAL, CHIP 100 5% 1/10W
R505	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W	R564	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W
R506 R507 R508 R509	1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-639-11 s METAL, CHIP 330 0.5% 1/10W	R565 R601 R602 R603	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-085-00 s METAL, CHIP 33K 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W

Ref. No. or Q'ty	Part No. SP Description	
R604 R605 R606 R607 R608	1-216-051-00 s METAL, CHIP 1.2K 5% 1/10W 1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	
R609 R610 R611 R612 R613	1-216-065-00 s METAL, CHIP 4.7K 5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-622-11 s METAL, CHIP 62 0.5% 1/10W 1-218-184-11 s METAL, CHIP 997 0.1% 1/16W	
R614 R615 R617 R618 R619	1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-216-635-11 s METAL, CHIP 220 0.5% 1/10W 1-218-922-11 s METAL, CHIP 3.26K 0.1% 1/16W 1-216-295-91 s RES, CHIP 0 1-216-661-11 s METAL, CHIP 2.7K 0.5% 1/10W	
R620 R621 R622 R623 R624	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-655-11 s METAL, CHIP 1.5K 0.5% 1/10W 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W	
R625 R626 R627 R628 R629	1-216-295-91 s RES, CHIP 0 1-216-641-11 s METAL, CHIP 390 0.5% 1/10W 1-208-812-11 s METAL, CHIP 18k 0.5% 1/10W 1-216-677-11 s METAL, CHIP 12K 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W	
R630 R631 R632 R633 R634	1-216-295-91 s RES, CHIP 0 1-216-687-11 s METAL, CHIP 33K 0.5% 1/10W 1-216-648-11 s METAL, CHIP 750 0.5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	
R635 R636 R637 R638 R639	1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-073-00 s METAL, CHIP 10K 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W	
R640 R641 R642 R643 R644	1-216-646-11 s METAL, CHIP 620 0.5% 1/10W 1-208-775-11 s METAL, CHIP 510 0.5% 1/10W 1-216-651-11 s METAL, CHIP 1K 0.5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-041-00 s METAL, CHIP 470 5% 1/10W	
R645 R646 R647 R648 R649	1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-057-00 s METAL, CHIP 2.2K 5% 1/10W 1-216-049-91 s METAL, CHIP 1k 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W	
R650 R651 R652 R653 R654	1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-037-00 s METAL, CHIP 330 5% 1/10W 1-216-013-00 s METAL, CHIP 33 5% 1/10W 1-216-013-00 s METAL, CHIP 33 5% 1/10W 1-216-667-11 s METAL, CHIP 4.7K 0.5% 1/10W	
R655 R656 R657 R658	1-216-663-11 s METAL, CHIP 3.3K 0.5% 1/10W 1-216-025-91 s METAL, CHIP 100 5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W 1-208-806-11 s METAL, CHIP 10k 0.5% 1/10W	
RV101 RV102 RV103 RV104 RV105	1-241-760-21 s RES, ADJ METAL 470 1-241-760-21 s RES, ADJ METAL 470 1-241-762-11 s RES, ADJ METAL 2.2k 1-241-760-21 s RES, ADJ METAL 470 1-241-759-21 s RES, ADJ METAL 220	

Ref. No. or Q'ty	Part No.	SP	Description
RV201 RV202 RV203 RV301 RV302	1-241-784-11 1-241-785-11 1-241-785-11 1-241-762-11 1-241-785-11	s s s	RES, ADJ METAL 4.7k RES, ADJ METAL 10k RES, ADJ METAL 10k RES, ADJ METAL 2.2k RES, ADJ METAL 10k
RV303 RV304 RV305 RV306 RV501	1-241-784-11 1-241-784-11 1-241-784-11 1-241-762-11 1-241-761-11	s s s	RES, ADJ METAL 4.7k
RV502 RV503 RV602 RV603	1-241-762-11 1-241-762-11 1-241-763-11 1-241-763-11	s s	RES, ADJ METAL 2.2k RES, ADJ METAL 2.2k RES, ADJ METAL 4.7k RES, ADJ METAL 4.7k
S201	1-571-275-31	s	SWITCH, SLIDE
X301 X302	1-579-057-11 1-760-183-21		CRYSTAL 17.734475MHz CRYSTAL 10.664135MHz

#### AC BOARD/SOPS-1045(UVW-1800/1600(J,UC))

Ref. No.

or Q'ty Part No.

SP Description

1pc  $\triangle$  1-413-889-11 s REGULATOR, SWITCHING (SOPS-1045)

All of component parts on the AC board are supplied together when you order switching regulator, SOPS-1045. Therefore, all of components parts on the board should be critical to safe operation.

1pc 3pcs	1-533-217-31 s HOLDER, FUSE 1-580-375-11 s INLET 3P 3-899-248-11 s SCREW, +PSW M3x8 7-682-961-01 s SCREW, +PSW4x8
C152 C153 C154	1-161-740-00 s CERAMIC 470pF 10% 400V 1-161-740-00 s CERAMIC 470pF 10% 400V 1-161-740-00 s CERAMIC 470pF 10% 400V 1-161-740-00 s CERAMIC 470pF 10% 400V 1-136-472-11 s FILM 0.1uF 20% 250V
C156	1-136-212-12 s FILM 0.1uF 20% 250V 1-136-472-11 s FILM 0.1uF 20% 250V 1-136-212-12 s FILM 0.1uF 20% 250V
CN151	1-564-215-11 o CONNECTOR 4P, MALE
F151	1-532-746-11 s FUSE 4A 125V
L153	1-424-353-11 s FILTER, LINE 1-424-255-11 s COIL, CHOKE 10uH 1-424-255-11 s COIL, CHOKE 10uH 1-406-953-11 s COIL, CHOKE 30uH
R155	1-202-849-00 s COMP 820k 1/2\ 10\%
VZ151	1-809-337-41 s VARISTOR ENC471D-07AW

#### AC BOARD/SOPS-1046(UVW-1800P/1600P))

Ref. No. or Q'ty Part No. SP Description

1pc  $\triangle$  1-413-925-12 s REGULATOR, SWITCHING (SOPS-1046)

All of component parts on the AC board are supplied together when you order switching regulator, SOPS-1046. Therefore, all of components parts on the board should be critical to safe operation.

1pc 3pcs	1-533-217-31 s HOLDER, FUSE 1-580-375-11 s INLET 3P 3-899-248-11 s SCREW, +PSW M3x8 7-682-961-01 s SCREW, +PSW4x8
C152 C153 C154	1-161-742-00 s CERAMIC 0.0022uF 20% 400V 1-161-742-00 s CERAMIC 0.0022uF 20% 400V 1-161-742-00 s CERAMIC 0.0022uF 20% 400V 1-161-742-00 s CERAMIC 0.0022uF 20% 400V 1-136-472-11 s FILM 0.1uF 20% 250V
	1-136-212-12 s FILM 0.1uF 20% 250V 1-136-472-11 s FILM 0.1uF 20% 250V 1-136-212-12 s FILM 0.1uF 20% 250V
CN151	1-564-215-11 o CONNECTOR 4P, MALE
F151	1-576-228-11 s FUSE 2A 250V
L152	1-424-353-11 s FILTER, LINE 1-424-255-11 s COIL, CHOKE 10uH 1-424-255-11 s COIL, CHOKE 10uH 1-406-953-11 s COIL, CHOKE 30uH
R155	1-202-849-00 s COMP 820k 10% 1/2W
VZ151	1-809-337-41 s VARISTOR ENC471D-07AW

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M BOARD/SOPS-1045(UVW-1800/1600(J,UC))	(M BOARD/SOPS-1045(UVW-1800/1600(J,UC)))		
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description		
lpc △ 1-413-889-11 s REGULATOR, SWITCHING (SOPS-1045)  All of component parts on the M board are supplied together when you order switching regulator, SOPS-1045.  Therefore, all of components parts on the board should be critical to safe operation.	D101       8-719-510-71 s DIODE D10XB60         D102       8-719-313-16 s DIODE AU02A         D103       8-719-911-19 s DIODE 1SS119         D104       8-719-510-26 s DIODE D1NL20         D105       8-719-510-26 s DIODE D1NL20		
lpc 1-543-060-00 s BEAD, FERRITE lpc 1-543-923-11 s BEADS, FERRITE  C106 1-136-185-00 s FILM 0.22uF 20% 250V	D106       8-719-510-26 s DIODE DINL20         D107       8-719-911-19 s DIODE ISS119         D108       8-719-109-84 s DIODE RD5. IES-B1         D109       8-719-911-19 s DIODE ISS119         D110       8-719-109-89 s DIODE RD5. 6ES-B2		
C107	D201       8-719-510-12 s DIODE D10SC4M         D202       8-719-510-39 s DIODE D10LC20U         D203       8-719-510-39 s DIODE D10LC20U         D204       8-719-988-31 s DIODE D10SC6MR         D205       8-719-025-11 s DIODE D8LC20UR		
C115	D206 8-719-027-20 s DIODE D3S4M-F D208 8-719-911-19 s DIODE 1SS119 D209 8-719-109-88 s DIODE RD5.6ES-B1 D210 8-719-911-19 s DIODE 1SS119 D211 8-719-110-12 s DIODE RD9.1ES-B1		
C120	D213 8-719-110-42 s DIODE RD15ES-B3 D214 8-719-110-49 s DIODE RD18ES-B2		
C124	IC101 8-759-520-23 s IC FA5304P IC102 8-719-028-92 s PHOTO-COUPLER PS2652-P-V IC103 8-719-028-92 s PHOTO-COUPLER PS2652-P-V IC103 8-719-820-67 s PHOTO-COUPLER TLP634GB-LF2 IC201 8-759-604-69 s IC M50460-052P		
C203	IC202 8-759-908-15 s IC TL431CLP  L101 1-424-389-11 s FILTER, LINE L103 1-412-552-11 s INDUCTOR 2. 2mH L201 1-406-929-11 s COIL, CHOKE L202 1-424-254-31 s COIL, CHOKE 4. 7UH L204 1-424-255-11 s COIL, CHOKE 10UH		
C211 1-164-646-11 s CERAMIC 2200pF 10% 500V C212 1-164-646-11 s CERAMIC 2200pF 10% 500V C213 1-128-102-11 s ELECT 1200uF 20% 16V C214 1-126-987-11 s ELECT 220uF 20% 10V C215 1-136-165-00 s FILM 0. 1uF 5% 50V	L205 1-424-254-31 s COIL, CHOKE 4.7UH L206 1-424-255-11 s COIL, CHOKE 10UH L207 1-406-929-11 s COIL, CHOKE L208 1-424-255-11 s COIL, CHOKE 10UH		
C216	Q101 8-729-321-75 s TRANSISTOR 2SK1400A Q201 8-729-900-80 s TRANSISTOR DTC114ES R102 1-217-785-11 s WIREWOUND 15 5% 5W R103 1-260-129-91 s CARBON 330k 1/2W 5% R104 1-215-902-11 s METAL 47k 5% 2W R105 1-215-902-11 s METAL 47k 5% 2W		
C221	R106 1-215-902-11 s METAL 47k 5% 2W  R107 1-249-404-00 s CARBON 82 5% 1/4W  R108 1-249-394-11 s CARBON 12 5% 1/4W  R109 1-249-441-11 s CARBON 100k 5% 1/4W  R110 1-249-395-11 s CARBON 15 5% 1/4W		
C228	R111 1-249-397-11 s CARBON 22 5% 1/4W  R112 1-249-381-11 s CARBON 1 5% 1/4W  R113 1-249-395-11 s CARBON 15 5% 1/4W  R114 1-249-429-11 s CARBON 10k 5% 1/4W  R115 1-249-421-11 s CARBON 2 2k 5% 1/4W		
CN101 1-564-216-00 o CONNECTOR, VH 5P, MALE CN102 1-564-215-11 o PIN, CONNECTOR 4P CN103 1-564-321-00 o CONNECTOR, VH 2P, MALE CN201 1-564-932-11 o CONNECTOR 9P, MALE	R116 1-247-903-00 s CARBON 1M 5% 1/4W  R117 1-215-902-11 s METAL 47k 5% 2W  R118 1-249-436-11 s CARBON 39k 5% 1/4W  R201-205 1-215-882-00 s METAL 22 5% 2W		

#### (M BOARD/SOPS-1045(UVW-1800/1600(I,UC)))

Ref. No. or Q'ty	Part No. SP Description
R206 R209 R210 R212 R213	1-249-419-11 s CARBON 1.5k 5% 1/4W 1-215-429-00 s METAL 2.2k 1% 1/6W 1-215-433-00 s METAL 3.3k 1% 1/6W 1-249-413-11 s CARBON 470 5% 1/4W 1-249-405-11 s CARBON 100 5% 1/4W
R214	1-249-433-11 s CARBON 22k 5% 1/4W
RV201	1-237-500-21 s RES, ADJ METAL 1k
RY101	1-515-864-11 s RELAY
T101 T102	1-423-874-11 s TRANSFORMER, CONVERTER 1-424-573-11 s TRANSFORMER, CURRENT

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M BOARD/SOPS-1046(UVW-1800P/1600P(EK))
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Ref. No.

or Q'ty Part No. SP Description

1pc  $\triangle$  1-413-925-12 s REGULATOR, SWITCHING (SOPS-1046)

All of component parts on the M board are supplied together when you order switching regulator, SOPS-1046. Therefore, all of components parts on the board should be critical to safe operation.

```
1-543-060-00 s BEAD, FERRITE
1pc
1pc
          1-543-923-11 s BEAD, FERRITE
C106
          1-136-185-00 s FILM 0.22uF 20% 250V
          1-161-741-00 s CERAMIC 1000PF 10% AC400V
C107
          1-161-741-00 s CERAMIC 1000PF 10% AC400V
C108
          1-125-731-11 s ELECT 270MF 20% 400V
C113
          1-136-206-11 s FILM 0.033uF 10% 630V
C114
C115
          1-136-165-00 s FILM 0.1uF 5% 50V
          1-124-478-11 s ELECT 100uF 20% 25V
C116
          1-124-477-11 s ELECT 47uF 20% 25V
C117
C118
          1-136-157-00 s FILM 0.022uF 5% 50V
C119
          1-136-153-00 s FILM 0.01uF 5% 50V
C120
          1-130-048-00 s FILM 220pF 5% 50V
          1-136-165-00 s FILM 0.1uF 5% 50V
C121
C122
          1-124-927-11 s ELECT 4.7uF 20% 100V
          1-161-742-00 s CERAMIC 0.0022uF 20% 400V
C123
          1-161-742-00 s CERAMIC 0.0022uF 20% 400V
C124
C125
          1-161-742-00 s CERAMIC 0.0022uF 20% 400V
C126
          1-102-002-00 s CERAMIC 680PF 10% 500V
          1-164-645-11 s CERAMIC 1000pF 10% 500V
1-164-645-11 s CERAMIC 1000pF 10% 500V
C201
C202
C203
          1-128-102-11 s ELECT 1200uF 20% 16V
C204
          1-128-585-11 s ELECT 270uF 20% 16V
          1-164-646-11 s CERAMIC 2200pF 10% 500V
1-164-646-11 s CERAMIC 2200pF 10% 500V
C206
C207
          1-128-102-11 s ELECT 1200uF 20% 16V
1-126-987-11 s ELECT 220uF 20% 10V
C208
C209
          C211
C212
C213
          1-128-102-11 s ELECT 1200uF 20% 16V
          1-126-987-11 s ELECT 220uF 20% 10V
C214
C215
          1-136-165-00 s FILM 0.1uF 5% 50V
          1-164-646-11 s CERAMIC 2200pF 10% 500V
1-164-646-11 s CERAMIC 2200pF 10% 500V
C216
C217
          1-128-102-11 s ELECT 1200uF 20% 16V
C218
          1-126-987-11 s ELECT 220uF 20% 10V
C219
C220
          1-136-165-00 s FILM 0.1uF 5% 50V
         1-164-645-11 s CERAMIC 1000pF 10% 500V
1-164-645-11 s CERAMIC 1000pF 10% 500V
1-128-102-11 s ELECT 1200uF 20% 16V
C221
C222
C223
C225
          1-128-584-11 s ELECT 120uF 20% 16V
          1-128-585-11 s ELECT 270uF 20% 16V
C226
C228
          1-128-585-11 s ELECT 270uF 20% 16V
C230
          1-130-489-00 s MYLAR 0.033uF 5% 50V
C231
          1-136-169-00 s MYLAR 0.22uF 5% 50V
          1-130-483-00 s MYLAR 0.01uF 5% 50V
C232
C233
          1-136-157-00 s FILM, CHIP 0.022uF 5% 50V
CN101
          1-564-216-00 o CONNECTOR, VH 5P, MALE
CN102
          1-564-215-11 o CONNECTOR 4P, MALE
          1-564-321-00 o CONNECTOR, VH 2P, MALE
CN103
          1-564-932-11 o CONNECTOR 9P, MALE
CN201
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# (M BOARD/SOPS-1046(UVW-1800P/1600P(EK)))

Ref. No. or Q'ty	Part No. SP Description
D101 D102 D103 D104 D105	8-719-510-71 s DIODE D10XB60 8-719-313-16 s DIODE AU02A 8-719-911-19 s DIODE 1SS119 8-719-510-26 s DIODE D1NL20 8-719-510-26 s DIODE D1NL20
D106 D107 D108 D109 D110	8-719-313-16 s DIODE AU02A 8-719-911-19 s DIODE ISS119 8-719-109-84 s DIODE RD5.1ES-B1 8-719-911-19 s DIODE ISS119 8-719-109-89 s DIODE RD5.6ES-B2
D201 D202 D203 D204 D205	8-719-510-12 s DIODE D10SC4M 8-719-510-39 s DIODE D10LC20U 8-719-510-39 s DIODE D10LC20U 8-719-988-31 s DIODE D10SC6MR 8-719-025-11 s DIODE D8LC20UR
D206 D208 D209 D210 D211	8-719-027-20 s DIODE D3S4M-F 8-719-911-19 s DIODE 1SS119 8-719-109-88 s DIODE RD5.6ES-B1 8-719-911-19 s DIODE 1SS119 8-719-110-12 s DIODE RD9.1ES-B1
D213 D214	8-719-110-42 s DIODE RD15ES-B3 8-719-110-52 s DIODE RD20ES-B1
IC101 IC102 IC103 IC103 IC201	8-759-520-23 s IC FA5304P 8-719-028-92 s PHOTO-COUPLER PS2652-P-V 8-719-028-92 s PHOTO-COUPLER PS2652-P-V 8-719-820-67 s PHOTO-COUPLER TLP634GB-LF2 8-759-604-49 s IC M5F7909L
IC202	8-759-908-15 s IC TL431CLP
L101 L103 L201 L202 L203	1-423-974-11 s FILTER, LINE 1-412-552-11 s INDUCTOR 2.2mH 1-406-929-11 s COIL, CHOKE 1-424-254-31 s COIL, CHOKE 4.7uH 1-406-531-11 s COIL, CHOKE 30uH
L204 L205 L206 L207 L208	1-424-255-11 s COIL, CHOKE 10uH 1-424-254-31 s COIL, CHOKE 4.7uH 1-424-255-11 s COIL, CHOKE 10uH 1-406-929-11 s COIL, CHOKE 1-424-255-11 s COIL, CHOKE 10uH
Q101 Q201	8-729-322-18 s TRANSISTOR 2SK1402A 8-729-900-80 s TRANSISTOR DTC114ES
R102 R103 R104 R105 R106	1-217-785-11 s WIREWOUND 15 5% 5W 1-260-127-11 s CARBON 220K 5% 1/2W 1-215-904-11 s METAL 100K 5% 2W 1-215-904-11 s METAL 100K 5% 2W 1-215-902-11 s METAL 47K 5% 2W
R107 R108 R109 R110 R111	1-215-374-00 s METAL 11 1% 1/6W 1-249-394-11 s CARBON 12 5% 1/4W 1-249-441-11 s CARBON 100K 5% 1/4W 1-249-390-11 s CARBON 5.6 5% 1/4W 1-249-397-11 s CARBON 22 5% 1/4W
R112 R113 R114 R115 R116	1-249-381-11 s CARBON 1 5% 1/4W 1-249-398-11 s CARBON 27 5% 1/4W 1-249-429-11 s CARBON 10K 5% 1/4W 1-249-421-11 s CARBON 2. 2K 5% 1/4W 1-247-903-00 s CARBON 1M 5% 1/4W
R117 R118	1-215-902-11 s METAL 47K 5% 2W 1-249-436-11 s CARBON 39K 5% 1/4W

#### (M BOARD/SOPS-1046(UVW-1800P/1600P(EK)))

(M DUARD/SUFS-1040(UVM-100UF/100UF(ER)))					
Ref. No. or Q'ty	Part No. SP Description				
R201-205 R206 R209	1-260-127-11 s CARBON 220K 5% 1/2W 1-215-882-00 s METAL 22 5% 2W 1-249-419-11 s CARBON 1.5K 5% 1/4W 1-215-429-00 s METAL 2.2K 1% 1/6W 1-215-433-00 s METAL 3.3K 1% 1/6W				
R213 R214					
RV201 RY101	1-237-500-21 s RES, ADJ METAL 1K 1-515-864-11 s RELAY				
T101 T102	1-426-623-11 s TRANSFORMER CONVERTER 1-424-573-11 s TRANSFORMER, CURRENT				

FRAME LIS		 FRAME, H	ARNESS, CONNECTOR & CONTACT LIST
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
1pc	A-8260-827-A s DRUM ASSY, DBH-40A-R	to ACE AS	SY
lpc	(for UVW-1800P)  A-8267-658-A s UPPER DRUM ASSY, DBR-40-R (for UVW-1800P)	CN921F(f	or UVW-1800 only) 1-565-978-11 o HOUSING 6P 1-565-977-11 s CONTACT, FEMALE AWG28-32
1pc	A-8260-829-A s DRUM ASSY, DBH-42A-R (for UVW-1600P)	CN922F 9pcs	1-568-819-11 o HOUSING 9P 1-565-977-11 s CONTACT, FEMALE AWG28-32
1pc	A-8267-660-A s UPPER DRUM ASSY, DBR-42-R (for UVW-1600P)	to AP-31/	31A board AP-31: UVW-1800 AP-31A: UVW-1600
1pc	$\mbox{A-8260-972-A}$ s DRUM ASSY, DBH-39A-R (for UVW-1800)	CNIE	
1pc	A-8260-973-A s UPPER DRUM ASSY, DBR-39-R (for UVW-1800)	CN1F 1pc 2pcs	1-569-196-41 o HOUSING 3P 1-569-191-11 o CONTACT, FEMALE AWG22-26 1-569-193-11 o CONTACT, FEMALE
1pc	A-8260-976-A s DRUM ASSY, DBH-41A-R (for UVW-1600)	CN2F 1pc	1-569-196-31 o HOUSING 3P 1-569-191-11 o CONTACT, FEMALE AWG22-26
1pc	A-8260-977-A s UPPER DRUM ASSY, DBR-41-R (for UVW-1600)	2pcs	1-569-193-11 o CONTACT, FEMALE 1-569-193-11 o CONTACT, FEMALE
lpc △	1-413-889-11 s REGULATOR, SWITCHING (SOPS-1045)	CN3F 1pc 2pcs	1-569-196-11 o HOUSING 3P 1-569-191-11 o CONTACT, FEMALE AWG22-26 1-569-193-11 o CONTACT, FEMALE
lpc △	1-413-925-12 s REGULATOR, SWITCHING (SOPS-1046)	•	board (for UVW-1800 only)
lpc	1-690-106-12 s WIRE, FLEXIBLE CARD 5P		-
1pc	1-810-374-12 s UNIT, FLD	CN1F 3pcs 6pcs	1-569-202-11 o HOUSING 9P 1-569-191-11 o CONTACT, FEMALE AWG22-26 1-569-193-11 o CONTACT, FEMALE
lpc	1-810-381-11 s SENSOR, CONDENSATION	•	LEVEL METER
H1001 H1001 H1002 H1003	8-825-778-81 s HEAD, EPS244-2103H(for UVW-1600) 8-825-778-91 s HEAD, PS244-2103G (for UVW-1800) 8-825-554-83 s HEAD, CTL PS244-21B 8-825-770-73 s HEAD, FE EF291-21	CN1F CN2F	1-559-586-11 o WIRE, FLEXIBLE CARD 20P 1-559-586-11 o WIRE, FLEXIBLE CARD 20P
L1001	1-543-316-31 s HEAD, SENSING	to CAPSTA	N MOTOR CONTROL BLOCK
L1002	"TAPE END SENSOR" 1-543-316-31 s HEAD, SENSING "TAPE TOP SENSOR"	CN8F 8pcs	1-562-153-11 o HOUSING 8P 1-564-026-00 o CONTACT, FEMALE AWG26-30
M1001	1-698-152-11 s MOTOR, DC (SVD-1449) "THREADING"	to CASSET	TE
M1002 M1003	1-698-152-11 s MOTOR, DC (SVD-1449) "CASSETTE" 1-698-231-12 s MOTOR, DC "S-REEL"	CN930F 12pcs	1-562-157-11 o HOUSING 12P 1-564-026-00 o CONTACT, FEMALE AWG26-30
M1004 M1005 M1006	1-698-231-12 s MOTOR, DC "T-REEL" 1-698-179-11 s MOTOR, DC "CAPSTAN" 1-698-152-11 s MOTOR, DC (SVD-1449) "POSITION"	to CP-225	/225A board CP-225: UVW-1800 CP-225A: UVW-1600
PM1001	1-454-338-00 s SOLENOID "PINCH"	CN651F	1–562–149–11 o HOUSING 4P
PM1001 PM1002 PM1003	1-454-417-41 s SOLENOID "S-BRAKE" 1-454-417-41 s SOLENOID "T-BRAKE"	4pcs	1-564-026-00 o CONTACT, FEMALE AWG26-30
	1-570-117-31 s SWITCH, ROCKER "AC POWER"	CN652F 7pcs	1-562-152-11 o HOUSING 7P 1-564-026-00 o CONTACT, FEMALE AWG26-30
		CN653F 6pcs	1-562-151-11 o HOUSING 6P 1-564-026-00 o CONTACT, FEMALE AWG26-30
		CN654F 12pcs	1-562-157-11 o HOUSING 12P 1-564-026-00 o CONTACT, FEMALE AWG26-30
		CN655F 14pcs	1-562-185-11 o HOUSING 14P 1-564-026-00 o CONTACT, FEMALE AWG26-30
		CN656F 2pcs	1-562-147-11 o HOUSING 2P 1-564-026-00 o CONTACT, FEMALE AWG26-30

(FRAME, HARNESS, CONNECTOR & CONTACT LIST)	(FRAME, HARNESS, CONNECTOR & CONTACT LIST)
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
to CP-226/226A board CP-226: UVW-1800 CP-226A: UVW-1600	to MB-470/470A board MB-470: UVW-1800 MB-470A: UVW-1600
CN274F 1-562-152-11 o HOUSING 7P 7pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	CN200F 1-562-800-11 o HOUSING 9P 9pcs 1-562-210-11 o CONTACT, FEMALE AWG18-22
CN275F 1-562-151-11 o HOUSING 6P 6pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	CN201F 1-562-511-11 o HOUSING 9P 9pcs 1-562-490-11 o CONTACT, FEMALE AWG22-28
CN276F 1-562-147-11 o HOUSING 2P 2pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	CN211F 1-562-157-11 o HOUSING 12P 12pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
to CP-237/237A board CP-237: UVW-1800 CP-237A: UVW-1600	CN231F 1-751-632-12 s WIRE, FLEXIBLE CARD 34P CN232F 1-575-733-11 s CABLE, FLAT 17P
CN532F 1-575-733-11 s CABLE, FLAT 17P to DR-214 board	CN235F 1-562-148-11 o HOUSING 3P 3pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN301F 1-558-261-31 s WIRE, FLEXIBLE CARD 30P CN302F 1-558-261-31 s WIRE, FLEXIBLE CARD 30P	CN262F 1-562-958-11 o HOUSING 15P 15pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN303F 1-558-261-31 s WIRE, FLEXIBLE CARD 30P	CN266F 1-562-149-11 o HOUSING 4P 4pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN1F 1-580-938-11 o HOUSING 15P 15pcs 1-565-740-11 o CONTACT, FEMALE AWG24-30	CN267F 1-562-152-11 o HOUSING 7P 7pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN901F(for UVW-1800 only) 1-565-978-11 o HOUSING 6P	CN268F 1-562-185-11 o HOUSING 14P 14pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
6pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32	CN269F 1-562-151-11 o HOUSING 6P 6pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN911F 1-569-199-11 o HOUSING CONNECTOR 6P 2pcs 1-569-192-11 o CONTACT, FEMALE AWG22-26 4pcs 1-569-194-11 o CONTACT, FEMALE AWG24-30	CN271F 1-562-157-11 o HOUSING 12P 12pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN912F 1-569-199-31 o HOUSING 6P 2pcs 1-569-192-11 o CONTACT, FEMALE AWG22-26 4pcs 1-569-194-11 o CONTACT, FEMALE AWG24-30	to MB-471/471A board MB-471: UVW-1800 MB-471A: UVW-1600
to DUS-355 board	CN251F 1-562-508-11 o HOUSING 6P 9pcs 1-562-490-11 o CONTACT, FEMALE AWG22-28
CN934F 1-569-195-11 s HOUSING 2P 2pcs 1-569-193-11 o CONTACT, FEMALE	CN261F 1-562-157-11 o HOUSING 12P 12pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
to HP-61/61A board HP-61: UVW-1800 HP-61A: UVW-1600	CN264F(for UVW-1800 only) 1-569-200-31 o HOUSING 7P
CN401F 1-562-155-11 o HOUSING 10P 10pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	2pcs 1-569-191-11 o CONTACT, FEMALE AWG22-26 4pcs 1-569-193-11 o CONTACT, FEMALE
CN403F 1-562-148-11 o HOUSING 3P 3pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	CN265F(for UVW-1800 only) 1-562-148-11 o HOUSING 3P 3pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
to KY-249/249A board KY-249: UVW-1800 KY-249A: UVW-1600	CN274F 1-562-152-11 o HOUSING 7P 7pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN590F 1-562-958-11 o HOUSING 15P 15pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	CN275F 1-562-151-11 o HOUSING 6P 6pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN591F 1-559-586-11 o WIRE, FLEXIBLE CARD 20P	CN276F(for UVW-1800 only) 1-562-151-11 o HOUSING 6P 6pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30
CN592F 1-562-149-11 o HOUSING 4P 4pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30	CN277F 1-562-149-11 o HOUSING 4P
CNEASE 1 FEA FOC 11 WIDE DIDVIDUD CARD OOD	4pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30

CN593F 1-559-586-11 o WIRE, FLEXIBLE CARD 20P

(FRAME, HARNESS, CONNECTOR & CONTACT LIST) (FRAME, HARNESS, CONNECTOR & CONTACT LIST) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description to MB-471/471A board to PTC-67 board MB-471: UVW-1800 MB-471A: UVW-1600 CN941F 1-562-152-11 o HOUSING 7P 7pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30 CN278F 1-562-155-11 o HOUSING 10P CN942F 1-569-195-21 o HOUSING 2P 1-564-026-00 o CONTACT, FEMALE AWG26-30 10pcs 1-569-193-11 o CONTACT, FEMALE 2pcs CN281F(for UVW-1800 only) 1-751-632-12 s WIRE, FLEXIBLE CARD 34P CN943F 1-562-147-11 o HOUSING 2P 1-564-026-00 o CONTACT, FEMALE AWG26-30 2pcs to MS-39/39A board MS-39: UVW-1800 to PTC-68 board MS-39A: UVW-1600 CN940F 1-562-149-11 o HOUSING 4P 1-562-157-11 o HOUSING 12P 1-564-026-00 o CONTACT, FEMALE AWG26-30 CN350F 4pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30 12pcs to RM-126 board 1-562-149-11 o HOUSING 4P CN351F 1-564-026-00 o CONTACT, FEMALE AWG26-30 4pcs CN946F 1-751-633-12 s WIRE, FLEXIBLE CARD 13P CN352F 1-569-195-11 s HOUSING 2P CN947F 1-569-197-11 o HOUSING 4P 2pcs 1-569-193-11 o CONTACT, FEMALE 1-569-193-11 o CONTACT, FEMALE 4pcs CN353F 1-562-152-11 o HOUSING 7P to RM-127 board 1-564-026-00 o CONTACT, FEMALE AWG26-30 7pcs 1-751-634-12 s WIRE, FLEXIBLE CARD 13P CN951F CN354F 1-569-208-11 o HOUSING 15P 1-569-193-11 o CONTACT, FEMALE CN952F 1-569-197-11 o HOUSING 4P 15pcs 4pcs 1-569-193-11 o CONTACT, FEMALE CN355F 1-562-153-11 o HOUSING 8P to RP-70/70A board 1-564-026-00 o CONTACT, FEMALE AWG26-30 8pcs RP-70: UVW-1800 CN356F 1-751-633-11 s WIRE, FLEXIBLE CARD 13P RP-70A: UVW-1600 CN357F 1-751-634-11 s WIRE, FLEXIBLE CARD 13P CN1F 1-569-196-11 o HOUSING 3P 1-569-192-11 o CONTACT, FEMALE AWG22-26 CN358F 1-562-151-11 o HOUSING 6P 1pc 6pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30 1-569-194-11 o CONTACT, FEMALE AWG24-30 2pcs CN359F 1-562-149-11 o HOUSING 4P CN101F 1-569-196-31 o HOUSING 3P 1-569-192-11 o CONTACT, FEMALE AWG22-26 1-564-026-00 o CONTACT, FEMALE AWG26-30 4pcs 1pc 1-569-194-11 o CONTACT, FEMALE AWG24-30 2pcs CN360F 1-569-197-11 o HOUSING 4P 1-569-193-11 o CONTACT, FEMALE CN201F 1-569-196-41 o HOUSING 3P 4pcs 1--569--192--11 o CONTACT, FEMALE AWG22--261pc 1-569-196-11 o HOUSING 3P 1-569-191-11 o CONTACT, FEMALE AWG22-26 1-569-194-11 o CONTACT, FEMALE AWG24-30 CN361F 2pcs 1pc 1-569-193-11 o CONTACT, FEMALE CN301F 1-569-196-21 o HOUSING 3P 2pcs 1-569-192-11 o CONTACT, FEMALE AWG22-26 1-569-194-11 o CONTACT, FEMALE AWG24-30 1pc CN362F 1-558-261-31 s WIRE, FLEXIBLE CARD 30P 2pcs 1-558-261-31 s WIRE, FLEXIBLE CARD 30PCN363F 1-558-261-31 s WIRE, FLEXIBLE CARD 30P CN364F to SE-207 board 1-569-619-11 o HOUSING 4P to PD-35 board CN950F 4pcs 1-565-977-11 s CONTACT, FEMALE AWG28-32 CN851F 1-562-147-11 o HOUSING 2P 1-564-026-00 o CONTACT, FEMALE AWG26-30 to SWITCHING REGULATOR 2pcs CN1F ⚠ 1-562-800-11 o HOUSING 9P CN854F 1-562-151-11 o HOUSING 6P 6pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30 9pcs △ 1-562-210-11 o CONTACT, FEMALE AWG18-22 to PTC-66 board 2pcs △ 1-562-210-11 o CONTACT, FEMALE AWG18-22 CN944F 1-562-149-11 o HOUSING 4P 4pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30 CN151F⚠ 1-562-285-11 o HOUSING 4P 2pcs ⚠ 1-562-210-11 o CONTACT, FEMALE AWG18-22 to TAPE END SENSOR

CN938F

2pcs

1-562-147-11 o HOUSING 2P

1-564-026-00 o CONTACT, FEMALE AWG26-30

#### (FRAME, HARNESS, CONNECTOR & CONTACT LIST)

Ref. No. or Q'ty Part No. SP Description

#### to TAPE TOP SENSOR

CN939F 1-562-147-11 o HOUSING 2P 2pcs 1-564-026-00 o CONTACT, FEMALE AWG26-30

#### to TR-84 board

CN945F

1-569-619-11 o HOUSING 4P 1-565-977-11 s CONTACT, FEMALE AWG28-32 4pcs

#### to VR-155 board (for UVW-1800 only)

CN402F 1-562-151-11 o HOUSING 6P

1-564-026-00 o CONTACT, FEMALE AWG26-30 6pcs

## 18-4.PACKING MATERIALS & ACCESSORIES

Ref. No. or Q'ty	Part No. SP Description
lpc △	1-551-812-11 s CORD, POWER 3P (for UC) 1-557-161-11 s CORD, POWER 2P (for J) 1-590-910-11 s CORD, POWER 3P (for EK) 1-751-019-81 o CABLE, D-SUB 9P (RCC5G) 5m 3-182-362-01 o SPACER
1pc	3-182-442-02 o CUSHION (BOTTOM) 3-182-443-03 o CUSHION (TOP) 3-182-233-02 o INDIVIDUAL CARTON (for UVW-1600(J,UC))
1pc	3-183-334-02 o INDIVIDUAL CARTON (for UVW-1600(EK))
1pc	3-182-444-02 o INDIVIDUAL CARTON (for UVW-1800(J, UC))
1pc	3-183-335-02 o INDIVIDUAL CARTON (for UVW-1800(EK))
lpc lpc	3-704-355-01 o SHEET (STANDARD), PROTECTION 3-757-560-03 s MANUAL, INSTRUCTION (Japanese for UVW-1600(J))
lpc △	3-757-560-23 s MANUAL, INSTRUCTION (English, French for UVW-1600(UC))
1pc	3-757-560-43 s MANUAL, INSTRUCTION (German, Italian for UVW-1600(EK))
1pc	3-757-561-03 s MANUAL, INSTRUCTION
lpc △	(Japanese for UVW-1800(J)) 3-757-561-24 s MANUAL, INSTRUCTION  (Particle French for UVW-1800(UC))
lpc	(English, French for UVW-1800(UC)) 3-757-561-43 s MANUAL, INSTRUCTION (German, Italian for UVW-1800(EK))

3-800-983-01 s INSTRUCTION (for UVW-1800/1600(J))

1pc

#### 18-5.OPTIONAL FIXTURES

PRODUCTS

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Part No.
            SP Description
J-6001-820-A o DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A o DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A o DRUM ECCENTRICITY GAUGE (1)
J-6325-530-A o DRUM ECCENTRICITY GAUGE (6)
J-6031-820-A o MULTI CONNECTOR CABLE (DIBNC)
J-6031-830-A o MULTI CONNECTOR CABLE (DOBNC)
J\text{-}6080\text{-}029\text{-}A \text{ o ADJUSTMENT MIRROR}
J-6087-000-A o DRUM ECCENTRICITY GAUGE (5)
J-6150-960-A o REEL MOTOR SHAFT SLANTNESS CHECK FIXTURE
J-6321-500-A o TAPE GUIDE ADJUSTMENT DRIVER
J-6332-780-A o EXTENSION BOARD, EX-278
J-6332-790-A o EXTENSION BOARD, EX-279
J-6335-790-A o DEVIATION CHECKER, EW579
                (for UVW-1800(J, UC))
J-6335-800-A o DEVIATION CHECKER, EW580
                (for UVW-1800P(EK))
J-6381-380-A o S CONNECTOR CABLE, EW703
2-034-697-00 o CLEANING PIECE
3-703-360-09 o PARALLEL PIN
7-661-018-18 o OIL
7-662-010-04 o GREASE, SGL-505 (20 g)
7-700-736-01 o L-SHAPED HEXAGONAL WRENCH (d:1.27 mm)
7-700-736-05 o L-SHAPED HEXAGONAL WRENCH (d:1.5 mm)
7-700-736-06 o L-SHAPED HEXAGONAL WRENCH (d:0.89 mm)
8-960-096-01 o ALIGNMENT TAPE, CR2-1B
8-960-096-41 o ALIGNMENT TAPE, CR5-1B
8-960-096-51 o ALIGNMENT TAPE, CR2-1B PS
8-960-096-91 o ALIGNMENT TAPE, CR5-1B PS
8-960-097-45 o ALIGNMENT TAPE, CR8-1A
8-960-098-45 o ALIGNMENT TAPE, CR8-1A PS
8-960-096-86 o ALIGNMENT TAPE, CR8-1B PS
9-911-053-00 o THICKNESS GAUGE
9-919-573-01 o CLEANING FLUID
STANDARD
               TENTEL METER (T2-H7-SLC)
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UVW-1800/1600 UVW-1800P/1600P